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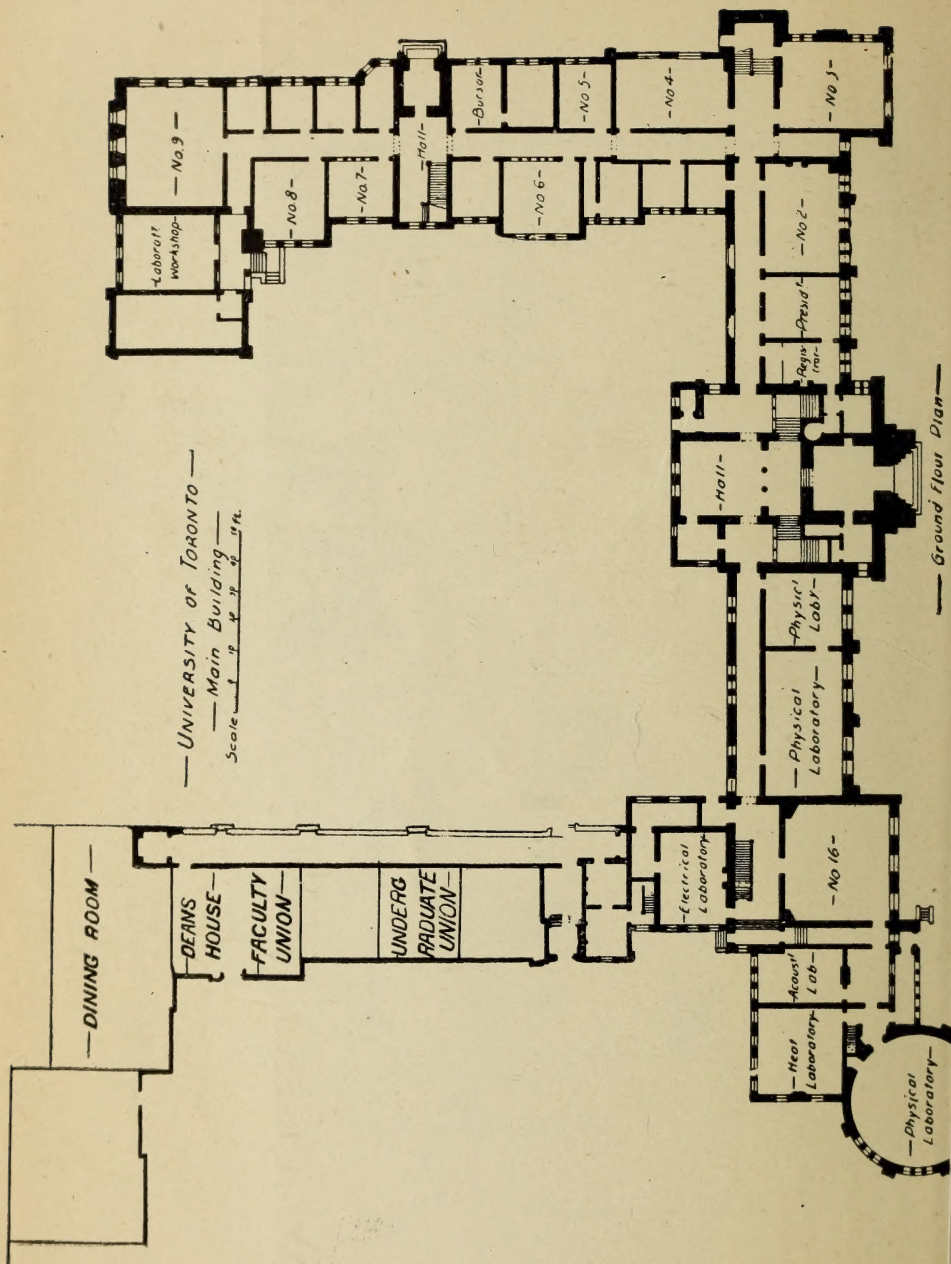






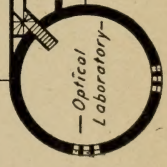
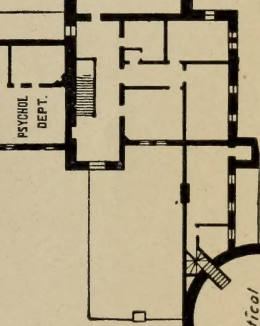
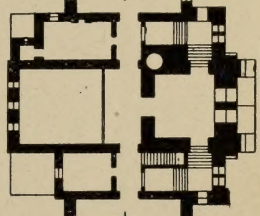
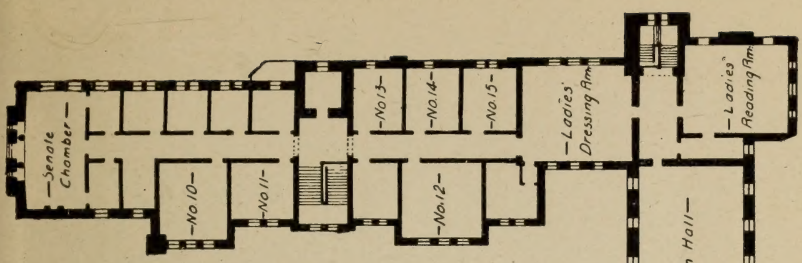
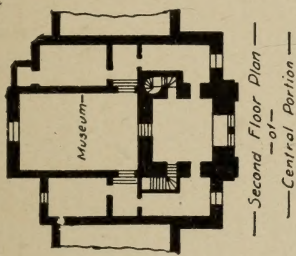








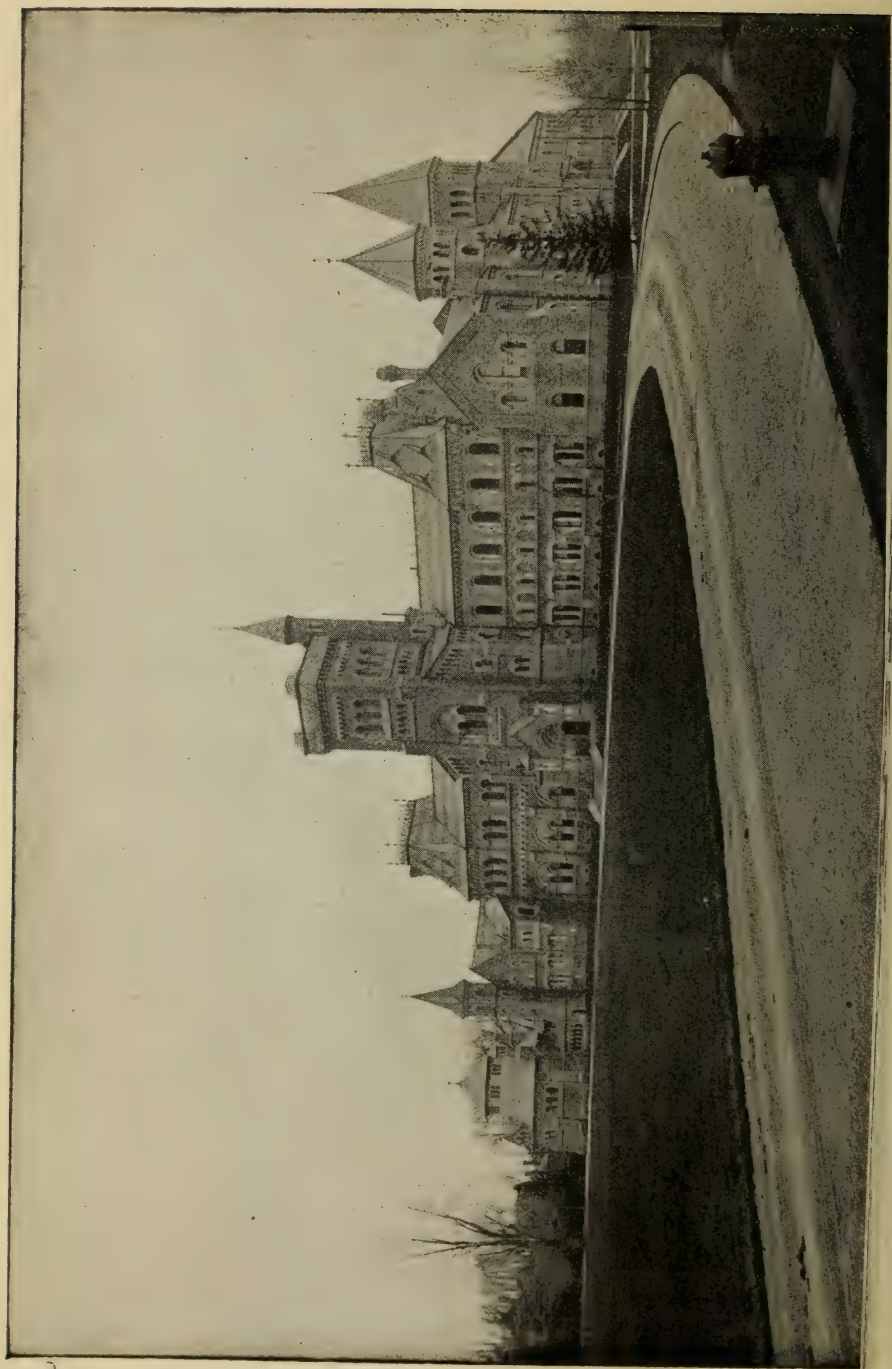
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 — Main Building —  
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THE  
CALENDAR

OF THE

University of Toronto

FOR THE YEAR

1902 - 1903



TORONTO:  
THE UNIVERSITY PRESS.

1902.





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# TABLE OF CONTENTS.

|   | PAGE |
|---|------|
| Calendar .....  | 7    |
| Time Table of Lectures in Arts .....                            | 8    |
| Officers of Instruction.....                                    | 12   |
| Examiners .....   | 20   |
| Board of Trustees.. .....                                       | 23   |
| Senate .....  | 23   |
| University Council .....  | 27   |
| Constitution and Administration of the University ....          | 28   |
| General Information for Students .....                          | 32   |
| Information for Students in Arts.....                           | 40   |
| Information for Students in Medicine.....                       | 44   |
| Information for Students in Applied Science.. . . .             | 50   |
| Regulations Relating to Students, Terms, and Examinations ....  | 52   |
| University Fees.. .....   | 53   |
| College Fees .....  | 57   |
| University Scholarships, Prizes, and Medals .....               | 59   |
| University Fellowships.. . . .                                  | 69   |
| University of Toronto, Regulations and Curriculum in Arts ..... | 70   |
| Degree of Bachelor of Arts.....                                 | 70   |
| Regulations Relating to all Undergraduates....                  | 74   |
| Regulations Relating to the General Course....                  | 75   |
| Regulations Relating to the Honour Course.....                  | 78   |
| Degree of Master of Arts.....                                   | 79   |
| Degree of Doctor of Philosophy.....                             | 80   |
| Admission "Ad Eundem Gradum." .....                             | 80   |
| Curriculum in Arts ....   | 81   |
| Junior Matriculation .....                                      | 81   |
| General Course.. .....  | 92   |
| Honor Course... .....   | 101  |
| Department of Classics.....                                     | 101  |
| Department of Modern Languages.....                             | 104  |
| Department of English and History .....                         | 113  |
| Department of Oriental Languages .....                          | 119  |
| Department of History .....                                     | 121  |
| Department of Political Science.....                            | 123  |
| Department of Philosophy .....                                  | 125  |
| Department of Mathematics and Physics.....                      | 126  |
| Department of Biological and Physical Science.. ....            | 127  |
| Department of Natural Science.....                              | 128  |
| Department of Chemistry and Mineralogy.....                     | 130  |
| Department of Physics and Chemistry.....                        | 131  |
| Curriculum for Ph.D. ....                                       | 133  |
| Courses of Instruction in Arts.....                             | 136  |
| University College .....  | 168  |
| Victoria University .....                                       | 176  |
| Curriculum in Law.....  | 192  |
| Faculty of Medicine .....                                       | 198  |
| Courses of Lectures and Methods of Instruction .....            | 201  |

|  | PAGE |
|--|------|
| Hospitals .....  | 217  |
| Text-books .....   | 223  |
| Fees .....   | 251  |
| Scholarships .....   | 227  |
| Medals .....   | 228  |
| Time Table of Lectures. . . . .  | 229  |
| The University of Toronto Medical Society.. . . .  | 231  |
| Medical Students' Y.M.C.A. ....  | 231  |
| Regulations Relating to Examinations and Degrees.....  | 232  |
| George Brown Memorial Scholarship.....   | 238  |
| The Reeve Scholarship .....  | 239  |
| Starr Medals .....   | 240  |
| List of Medallists .....   | 241  |
| List of Graduates in Medicine in 1902 .....  | 242  |
| Curricula, etc., for B.A.Sc., C.E., M.E., E.E., D.D.S. Phm.B., B.S.A.,<br>Mus. Bac., B. Pæd., D. Pæd. .... | 243  |
| Applied Science .....  | 244  |
| Dentistry .....  | 247  |
| Pharmacy .....   | 250  |
| Agriculture .....  | 252  |
| Music .....  | 259  |
| Local Examinations in Music .....  | 266  |
| Pedagogy .....   | 267  |
| Commercial Course .....  | 271  |
| Gymnastics and Physical Drill .....  | 274  |
| St. Michael's College.....   | 276  |
| Wycliffe College .....   | 277  |
| Knox College .....   | 279  |
| Victoria University .....  | 280  |
| School of Practical Science.....   | 281  |
| Trinity Medical College.....   | 286  |
| Women's Medical College .....  | 288  |
| Royal College of Dental Surgeons .....   | 290  |
| Ontario College of Pharmacy.....   | 292  |
| Ontario Agricultural College .....   | 293  |
| Toronto College of Music .....   | 295  |
| Toronto Conservatory of Music .....  | 297  |
| Ontario Veterinary College .....   | 299  |
| Register of Students in Arts, App. ....  | 2    |
| Register of Students in Medicine, App. ....  | 12   |
| Register of Students in Applied Science, App. ....   | 17   |
| Summary of Student, App. ....  | 20   |
| Historical Sketch, App. ....   | 21   |
| Benefactions and Donations, App. ....  | 25   |
| University Studies, App. ....  | 33   |
| Local Lectures, App.....   | 35   |
| Saturday Political Lectures, App. ....   | 38   |
| University Extension, App. ....  | 38   |
| Societies,, App. . . . .   | 39   |
| Index .....  | 48   |





**Registrar of the University :**

JAMES BREBNER, B.A.

**Secretary of the Faculty of Medicine :**

A. PRIMROSE, M.B., C.M.

**Secretary of the School of Practical Science :**

A. T. LAING, B.A.Sc.

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NOTE.—All communications relating to examinations, curricula, University standing and instruction, are to be addressed to the Registrar.

# CALENDAR, 1902.

| JANUARY. |    |    |    |    |    |    | FEBRUARY. |    |    |    |    |    |    | MARCH.     |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|------------|----|----|----|----|----|----|
| S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  | S          | M  | T  | W  | T  | F  | S  |
| ..       | .. | .. | 1  | 2  | 3  | 4  | ..        | .. | .. | .. | .. | .. | 1  | ..         | .. | .. | .. | .. | .. | 1  |
| 5        | 6  | 7  | 8  | 9  | 10 | 11 | 2         | 3  | 4  | 5  | 6  | 7  | 8  | 2          | 3  | 4  | 5  | 6  | 7  | 8  |
| 12       | 13 | 14 | 15 | 16 | 17 | 18 | 9         | 10 | 11 | 12 | 13 | 14 | 15 | 9          | 10 | 11 | 12 | 13 | 14 | 15 |
| 19       | 20 | 21 | 22 | 23 | 24 | 25 | 16        | 17 | 18 | 19 | 20 | 21 | 22 | 16         | 17 | 18 | 19 | 20 | 21 | 22 |
| 26       | 27 | 28 | 29 | 30 | 31 | .. | 23        | 24 | 25 | 26 | 27 | 28 | .. | 23         | 24 | 25 | 26 | 27 | 28 | 29 |
| ..       | .. | .. | .. | .. | .. | .. | ..        | .. | .. | .. | .. | .. | .. | 30         | 31 | .. | .. | .. | .. | .. |
| APRIL.   |    |    |    |    |    |    | MAY.      |    |    |    |    |    |    | JUNE.      |    |    |    |    |    |    |
| S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  | S          | M  | T  | W  | T  | F  | S  |
| ..       | .. | 1  | 2  | 3  | 4  | 5  | ..        | .. | .. | .. | 1  | 2  | 3  | 1          | 2  | 3  | 4  | 5  | 6  | 7  |
| 6        | 7  | 8  | 9  | 10 | 11 | 12 | 4         | 5  | 6  | 7  | 8  | 9  | 10 | 8          | 9  | 10 | 11 | 12 | 13 | 14 |
| 13       | 14 | 15 | 16 | 17 | 18 | 19 | 11        | 12 | 13 | 14 | 15 | 16 | 17 | 15         | 16 | 17 | 18 | 19 | 20 | 21 |
| 20       | 21 | 22 | 23 | 24 | 25 | 26 | 18        | 19 | 20 | 21 | 22 | 23 | 24 | 22         | 23 | 24 | 25 | 26 | 27 | 28 |
| 27       | 28 | 29 | 30 | .. | .. | .. | 25        | 26 | 27 | 28 | 29 | 30 | 31 | 29         | 30 | .. | .. | .. | .. | .. |
| ..       | .. | .. | .. | .. | .. | .. | ..        | .. | .. | .. | .. | .. | .. | ..         | .. | .. | .. | .. | .. | .. |
| JULY.    |    |    |    |    |    |    | AUGUST.   |    |    |    |    |    |    | SEPTEMBER. |    |    |    |    |    |    |
| S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  | S          | M  | T  | W  | T  | F  | S  |
| ..       | .. | 1  | 2  | 3  | 4  | 5  | ..        | .. | .. | .. | .. | 1  | 2  | ..         | 1  | 2  | 3  | 4  | 5  | 6  |
| 6        | 7  | 8  | 9  | 10 | 11 | 12 | 3         | 4  | 5  | 6  | 7  | 8  | 9  | 7          | 8  | 9  | 10 | 11 | 12 | 13 |
| 13       | 14 | 15 | 16 | 17 | 18 | 19 | 10        | 11 | 12 | 13 | 14 | 15 | 16 | 14         | 15 | 16 | 17 | 18 | 19 | 20 |
| 20       | 21 | 22 | 23 | 24 | 25 | 26 | 17        | 18 | 19 | 20 | 21 | 22 | 23 | 21         | 22 | 23 | 24 | 25 | 26 | 27 |
| 27       | 28 | 29 | 30 | 31 | .. | .. | 24        | 25 | 26 | 27 | 28 | 29 | 30 | 28         | 29 | 30 | .. | .. | .. | .. |
| ..       | .. | .. | .. | .. | .. | .. | 31        | .. | .. | .. | .. | .. | .. | ..         | .. | .. | .. | .. | .. | .. |
| OCTOBER. |    |    |    |    |    |    | NOVEMBER. |    |    |    |    |    |    | DECEMBER.  |    |    |    |    |    |    |
| S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  | S          | M  | T  | W  | T  | F  | S  |
| ..       | .. | 1  | 2  | 3  | 4  | 5  | ..        | .. | .. | .. | .. | 1  | 2  | ..         | 1  | 2  | 3  | 4  | 5  | 6  |
| 6        | 7  | 8  | 9  | 10 | 11 | 12 | 2         | 3  | 4  | 5  | 6  | 7  | 8  | 7          | 8  | 9  | 10 | 11 | 12 | 13 |
| 12       | 13 | 14 | 15 | 16 | 17 | 18 | 9         | 10 | 11 | 12 | 13 | 14 | 15 | 14         | 15 | 16 | 17 | 18 | 19 | 20 |
| 19       | 20 | 21 | 22 | 23 | 24 | 25 | 16        | 17 | 18 | 19 | 20 | 21 | 22 | 21         | 22 | 23 | 24 | 25 | 26 | 27 |
| 26       | 27 | 28 | 29 | 30 | 31 | .. | 23        | 24 | 25 | 26 | 27 | 28 | 29 | 28         | 29 | 30 | 31 | .. | .. | .. |
| ..       | .. | .. | .. | .. | .. | .. | 30        | .. | .. | .. | .. | .. | .. | ..         | .. | .. | .. | .. | .. | .. |

# CALENDAR, 1903.

| JANUARY. |    |    |    |    |    |    | FEBRUARY. |    |    |    |    |    |    | MARCH. |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|--------|----|----|----|----|----|----|
| S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  | S      | M  | T  | W  | T  | F  | S  |
| ..       | .. | .. | .. | 1  | 2  | 3  | 1         | 2  | 3  | 4  | 5  | 6  | 7  | 1      | 2  | 3  | 4  | 5  | 6  | 7  |
| 4        | 5  | 6  | 7  | 8  | 9  | 10 | 8         | 9  | 10 | 11 | 12 | 13 | 14 | 8      | 9  | 10 | 11 | 12 | 13 | 14 |
| 11       | 12 | 13 | 14 | 15 | 16 | 17 | 15        | 16 | 17 | 18 | 19 | 20 | 21 | 15     | 16 | 17 | 18 | 19 | 20 | 21 |
| 18       | 19 | 20 | 21 | 22 | 23 | 24 | 22        | 23 | 24 | 25 | 26 | 27 | 28 | 22     | 23 | 24 | 25 | 26 | 27 | 28 |
| 25       | 26 | 27 | 28 | 29 | 30 | 31 | ..        | .. | .. | .. | .. | .. | .. | 29     | 30 | 31 | .. | .. | .. | .. |
| ..       | .. | .. | .. | .. | .. | .. | ..        | .. | .. | .. | .. | .. | .. | ..     | .. | .. | .. | .. | .. | .. |
| APRIL.   |    |    |    |    |    |    | MAY.      |    |    |    |    |    |    | JUNE.  |    |    |    |    |    |    |
| S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  | S      | M  | T  | W  | T  | F  | S  |
| ..       | .. | .. | 1  | 2  | 3  | 4  | ..        | .. | .. | .. | .. | 1  | 2  | ..     | 1  | 2  | 3  | 4  | 5  | 6  |
| 5        | 6  | 7  | 8  | 9  | 10 | 11 | 3         | 4  | 5  | 6  | 7  | 8  | 9  | 7      | 8  | 9  | 10 | 11 | 12 | 13 |
| 12       | 13 | 14 | 15 | 16 | 17 | 18 | 10        | 11 | 12 | 13 | 14 | 15 | 16 | 14     | 15 | 16 | 17 | 18 | 19 | 20 |
| 19       | 20 | 21 | 22 | 23 | 24 | 25 | 17        | 18 | 19 | 20 | 21 | 22 | 23 | 21     | 22 | 23 | 24 | 25 | 26 | 27 |
| 26       | 27 | 28 | 29 | 30 | .. | .. | 24        | 25 | 26 | 27 | 28 | 29 | 30 | 28     | 29 | 30 | .. | .. | .. | .. |
| ..       | .. | .. | .. | .. | .. | .. | 31        | .. | .. | .. | .. | .. | .. | ..     | .. | .. | .. | .. | .. | .. |

## CALENDAR, 1902-1903.

Meetings of the University Council are held on the last Monday of September, and on the first Monday of other months. Meetings of the Senate are held on the second Friday of October, November, December, January, February and March, on the Friday following Easter Sunday, and on the Wednesday preceding Commencement in June.

1902—Sept. 12—Supplemental Examinations in all Faculties begin.

Oct. 1—Academic year begins.

Registration of Students in Arts by the Registrar;  
and in Medicine by the Secretary of the Medical  
Faculty; enrolment in classes by the various Pro-  
fessors.

Supplemental Examinations in Dentistry begin.

Oct. 2—Lectures in Arts and Medicine begin.

Dec. 15-19—Term Examinations.

Dec. 19—Michaelmas Term ends.

Dec. 25—University Buildings closed.

1903—Jan. 1—University Buildings closed.

Jan. 5—Easter Term begins.

Lectures in Arts and Medicine begin.

Feb. 25—University Buildings closed.

March 31—Last day for presentation of LL.B. theses.

April 10—University Buildings closed.

April 13—Annual Meeting of Medical Faculty.

April 14-17—Term Examinations.

April 17—Examinations in School of Practical Science begin.

April 17—Lectures in Arts end.

Lectures in Medicine end.

April 20—Annual Examinations in Dentistry begin.

April 22—Annual Examinations in Applied Science begin.

Last day for presentation of B.A.Sc. theses.

May 1—Annual Examinations in Arts, Law, Medicine and  
Agriculture begin.

Last day for presentation of M.A. theses.

May 8—Annual Examinations in Music begin.

May 24—University Buildings closed.

May 24—Last day for giving notice of candidature for Matricu-  
lation Scholarships.

June 1—Applications for Fellowships.

June 9—Junior and Senior Matriculation at centres outside  
the Province of Ontario.

June 9—Senior Matriculation Examinations in Arts begin.

June 12—University Commencement.

July 1—University Buildings closed.

N.B.—Candidates are required to give notice to the Registrar of intention to present themselves at the annual examinations in Arts and Medicine on or before March 20th. At the examination for Matriculation Scholarships similar notice must be given on or before the 24th May, and at any other University examination at least three weeks before the commencement of the examination.

# Time Table of Lectures in Arts.

NOTE.—In the following table \* indicates "Honor Subject"; † indicates "Hon. Chem. and Min."; ‡ indicates "Pass and Honor"; a indicates "Michaelmas Term"; and b "Easter Term." Numerals (1), (2), etc., denote the class-rooms of the main building. Subjects for which no class-rooms are indicated are provided for in the various buildings appropriate to them. Laboratory hours not provided for in the following scheme will be arranged at the beginning of Term. School of Science students attend Math. Div. E. of the First Year.

## First Year.

|         | MONDAY.   | TUESDAY.  | WEDNESDAY.  | THURSDAY.  | FRIDAY.  | SATURDAY.                 |
|---------|---|---|---|--|--|---------------------------|
| 9 a.m.  | Biology.<br>*Elem. Anal. Geom. (9).   | <i>English</i> (W. Hall).<br>Math. E., Euclid (9).  | * <i>German Prose</i> , C.D. (13).<br><i>Greek</i> , b (6).<br><i>Latin</i> , a (6).<br>*Biology.<br>Math. E., Trig. (9). | <i>Latin</i> , <i>Horace</i> (4).<br>* <i>Latin</i> (2).<br>Math. E., Alg. (9).  | Biology.<br>Math. E., Trig. (9).   |                           |
| 10 a.m. | Math. (B. Alg. (4).<br>(D. Trig. (3)).  | * <i>German Prose</i> , A., B. (13).<br>Physics (16).   | Math. (A., B. (3).<br>Euc. (C., D. (4)).  | * <i>Greek</i> (10).<br>Physics (16).  | Math. D., Alg. (4).<br>B., Trig. (3).  | * <i>Latin</i> (7).       |
| 11 a.m. | * <i>Greek</i> (7).<br><i>Latin Prose</i> (3).                                  | Math. (A., Alg. (4).<br>(C., Trig. (3)).<br>*Spanish (15).<br>*Elementary Chemistry.<br>*Greek Prose (8). | <i>Greek Prose</i> (8).<br>* <i>German Prose</i> , E. F. 13.<br>*Elementary Chemistry.                                    | * <i>Latin</i> (2).<br>*Italian, A. (8).<br>*Span. (15). [Trig. (3).<br>Math. C., Alg. (4) A.,<br>*Elementary Chemistry. | <i>English</i> (W. Hall).  | * <i>Latin Prose</i> (7). |
| 12 m.   | <i>Ancient History</i> (9).<br>*Elem. Phys., Med., a (16).<br>*Mathematics (6). | <i>Greek</i> (2).<br>*Italian (12).<br>*Mathematics (6).  | <i>Latin</i> , <i>Cicero</i> (3).<br>*Elem. Phys., a (16),<br>Med.  | * <i>Latin</i> .<br>*Italian B. (12).<br>*Mathematics (6).   | <i>German</i> , D. (7).<br>* <i>Classics</i> (2).<br>*Elem. Phys., Med., a<br>*Phonetics (10). (16).<br>*Inor. Chem., C.M., P.C. |                           |
| 2 p.m.  | <i>French</i> , A. (8), B. (2).   | * <i>French</i> (8).<br>*Practical Biology.<br>*Prac. Chem., C.M., P.C.                                   | <i>French</i> , A. (2), B. (8).<br>* <i>German</i> , B. (10).   | * <i>French</i> (2).<br>*Practical Biology.<br>*Chem. Anal., C.M., P.C.  | *Prac. Phys.   |                           |
| 3 p.m.  | <i>German</i> , A. (3).<br>* <i>German</i> , A. (11).                           | <i>Hebrew</i> (4).<br>*Practical Biology.<br>*Prac. Chem., C.M., P.C.                                     | * <i>French</i> (12).<br><i>German</i> , A. (3), B. (4).  | * <i>German</i> , C. (11).<br><i>Hebrew</i> (4).<br>*Practical Biology.<br>*Prac. Chem., C.M., P.C.                      | <i>German</i> , B. (4).<br>*Prac. Phys.  |                           |



|         |  |  |   |   |   |  |
|---------|--|--|---|---|---|--|
|         | <i>French</i> (8).<br>* <i>Ger. Prose</i> , A.B. (15).<br>*Chem., C.M., P.C.   | * <i>English</i> (3).<br>*Phys.-Chem., C.M., P.C<br>*Greek (2), <i>a</i> .   | <i>French</i> (2).<br>+*Elementary Cal. (3).<br>*Psychology (W. Hall)<br>*Latin (Vict.), <i>b</i> . | <i>English</i> (3).<br>*Phys.-Chem., C.M., P.C<br>*Greek (2), <i>a</i> .          | <i>French</i> (11).<br><i>German</i> (10).<br>+*Elementary Cal. (3).                                  | * <i>Latin</i> (7).<br>*Logic (10).                              |
| 10 a.m. | *Italian (10).<br>*Phys., Elec. (16), <i>a</i> .<br>*Greek (2).<br>*Eng. Const. Hist. (6).                               | * <i>Latin</i> (8).<br>*Biology.<br>*Italian (10).<br>* <i>Orientalis</i> (14).<br>Economics (Commer. Course) ( <i>Sem.</i> ). | * <i>French</i> (14).<br>Greek Prose (2).<br>Latin (8).<br>Elec. & Magnetism (16)                   | * <i>French</i> (14).<br>Greek Prose (2).<br>Latin (8).<br>Elec. & Magnetism (16) | *Elem. Anal. Geom. and Calc. (12).<br>*Phys. Elec. (16), <i>a</i> .<br>Greek (2).                     | * <i>Latin</i> (8), <i>a</i> .<br>*Roman Hist. (8), <i>b</i> .   |
| 11 a.m. | †Mediæval History (9).<br>*Eng. Const. Hist. (6).<br>*Elem. Phys.-Chemistry, C.M., P.C., M.P., N.S.<br>*Philosophy (11). | *Philosophy (11).<br>*Spanish (13).<br>Geology.<br>Economics (9).<br>Elementary Chemistry.                                     | *Spanish (11).<br>Elementary Chemistry.<br>+Logic (9).  | *Spanish (11).<br>Elementary Chemistry.<br>+Logic (9).                            | †Mediæval History (9).<br>†Eng. Const. History.<br>*Elem. Phys. Chemistry, C. M., P. C., M. P., N. S. | * <i>Latin</i> .   |
| 12 m.   | <i>Latin</i> (3).<br>* <i>Latin</i> (Vict.).<br>*Mathematics (11).<br>*Physiology, <i>b</i> .                            | *Mathematics (11).<br>Psychology (16).<br>*Elementary Organic Chemistry, C.M.  | <i>Greek</i> (8).<br>*Italian (10).<br>*Mathematics (11).<br>*Physiology, <i>b</i> .                | *Mathematics (11).<br>Psychology (16).<br>*Elementary Organic Chemistry, C.M.     | <i>Latin Prose</i> (3).<br>*Classics (2).<br>*Mathematics (11).<br>*Physiology, <i>b</i> .            |  |
| 2 p.m.  | <i>Ger. Prose</i> , C.D. (13).<br>* <i>Orientalis</i> (11).<br>*Practical Biology.<br>*Prac.Chem., C.M., P.C.            | * <i>French</i> (14).<br>*Practical Mineralogy.<br>*Practical Chem., M.P.<br>*Eng. Const. Hist. (6).                           | * <i>Orientalis</i> (13).<br>*Practical Biology.  | * <i>Orientalis</i> (13).<br>*Practical Biology.                                  | *Practical Biology.<br>*Practical Phys.<br>*Greek (7), <i>b</i> .                                     |  |
| 3 p.m.  | <i>Hebrew</i> (7).<br>*Practical Biology.<br>*Prac.Chem., C.M., P.C.   | * <i>German</i> (10).<br>*Practical Mineralogy.<br>*Practical Chem., M.P.  | * <i>Orientalis</i> (13).<br>*Practical Biology.  | * <i>Orientalis</i> (13).<br>*Practical Biology.                                  | * <i>German</i> (12).<br>*Practical Biology.<br>*Practical Phys.                                      |  |
| 4 p.m.  | *Prac.Chem., C.M., P.C.  | *Practical Mineralogy.<br>*Practical Chem., M.P.   | <i>German</i> (10).   | <i>German</i> (10).   |   | * <i>German</i> (13).<br>*Practical Biology.<br>*Practical Phys. |

N.B.—\*Practical Chemistry, C.M., P.C., from 10-5 Wednesday and Thursday. \*Practical Chemistry, N.S., from 10-5 Thursday.

# Third Year.

|         | MONDAY.  | TUESDAY.   | WEDNESDAY.   | THURSDAY.  | FRIDAY.   | SATURDAY.          |
|---------|--|--|--|--|---|--------------------|
| 9 a.m.  | * <i>Ethics</i> (4).<br>* <i>French</i> (14).<br>* <i>Latin Prose</i> (7).<br>* Roman Law (11).                                | Analytical Statics (12), <i>a</i><br>* Hydrostatics (12), <i>b</i><br>* <i>German</i> (13).<br>‡ Modern History (4).<br>* Crystallography, <i>a</i> .<br>* Economic Geology, <i>b</i> .<br>* Const. History (6).<br>Greek, <i>b</i> (2). | ‡ <i>Ethics</i> (8).<br>* <i>French</i> (14).<br>* <i>Classics</i> (Vict.).<br>* Roman Law (11).   | * Analytical Statics (12), <i>a</i><br>* Hydrostatics (12), <i>b</i> .<br>* <i>French</i> (10).<br>* <i>Greek</i> (7).<br>* Logic (8). | * <i>Ethics</i> (Sem.).<br>* <i>Latin</i> (Vict.).<br>* <i>Greek</i> (7), <i>b</i> .<br>* Crystallography, <i>a</i> .<br>* Economic Geology, <i>b</i> .<br>* Const. History (6).<br>‡ Modern History (4). | * Psychology (17). |
| 10 a.m. | * <i>French</i> (12).<br>* <i>Latin</i> (7).<br>* Hist. of Philosophy (8).<br>Light (16), <i>b</i> .                           | * <i>French</i> (11).<br>* <i>Greek</i> (2).<br>* <i>Latin</i> (3).<br>* Org. Chem., C.M., P.C.<br>* Economics (6).<br>* Mathematics (13).   | * <i>French</i> (12).<br>* <i>Greek Prose</i> (2).<br>* <i>Classics, Philol.</i> (Vict.).<br>* Org. Chem., C.M., P.C.  | * <i>French</i> (14).<br>* <i>Latin</i> (7).<br>* Economics (6).<br>* Exper. Psychology (17).<br>* Org. Chem., C.M., P.C.              | * <i>Greek</i> (13), <i>a</i> .<br>* <i>French</i> (14).<br>* <i>Latin</i> , <i>b</i> (13).<br>Light; <i>b</i> (16).<br>* Aramaic.<br>* Economics (6).<br>* Practical Palaeontology                       | * Mod. Hist. (4).  |
| 11 a.m. | * Physics (2).<br>* <i>French</i> (11).<br>* <i>German</i> (10).<br>* Hist. of Philosophy (8).<br>* Const. Law (6), <i>b</i> . | * <i>German</i> (10).<br>* <i>Greek</i> (2).<br>* Exper. Psych. (lect.).<br>* Elem. Org. Chemistry, N.S., I.<br>* Const. Law (6), <i>b</i> .   | Const. History (4).<br>* <i>Ethics</i> (Sem.).<br>* <i>German</i> (13).<br>* <i>Latin</i> (3).<br>* Physics (2).<br>* Biology.<br>* Const. Law (6), <i>b</i> . | * Exper. Psychology (17).<br>* <i>German</i> (10).<br>* Const. Law (6), <i>b</i> .   | * Physics (2).<br>* <i>Greek</i> (5).<br>* <i>German</i> (Sem.).<br>* Biology.<br>* Exper. Psychology (17).<br>* Ethics (4).<br>* Practical Palaeontology<br>* Const. Law (6), <i>b</i> .                 |                    |
| 12 m.   | * <i>English</i> (4).<br>* Bacteriology, <i>a</i> .<br>* Phys.-Chem., C.M., P.C.<br>* Physics (6).                             | * <i>German</i> (13).<br>* <i>Latin</i> (8).<br>* Exper. Psych. (lect.).<br>* Const. History (9).<br>* Elem. Org. Chemistry, N.S., I.  | * <i>English</i> (4).<br>* Physics (6).<br>* Bacteriology, <i>a</i> .  | * <i>English</i> (3).<br>* <i>Greek</i> (7).<br>* Mineralogy.<br>* Elem. Org. Chemistry, N.S., I.                                      | * <i>Greek Prose</i> (5).<br>* <i>French</i> (14).<br>* Psychology (17).<br>* <i>Latin Prose</i> (3).<br>* Physics (6).<br>* Phys.-Chem., C.M., P.C.<br>* Practical Palaeontology                         |                    |
| "       | * <i>French</i> (14).<br>* <i>Oriental</i> s.<br>* Const. History (6).   | * <i>German</i> (10).<br>* <i>Hebrew</i> (13).<br>* Const. History (6).  | Const. History (6).  | * <i>German</i> (10).<br>* Italian (15).   | * <i>Oriental</i> s.  |                    |
| 9       |  | * <i>Oriental</i> s.   | * Stratigraphical Geol.<br>* <i>Oriental</i> s.  | * Pol. Sc. (Statistics) (9).<br>* Spanish (15).  | * <i>English</i> (10).<br>* <i>Hebrew</i> (13).   |                    |

|         |   |  |  |   |   |                         |
|---------|---|--|--|---|---|-------------------------|
| 9 a.m.  | <p><i>Latin Prose</i> (7).<br/> *Modern History (4).<br/> *Mathematics (13).<br/> *Metaphysics (Psychol.) (17).</p>                 | <p>*French (14).<br/> *Latin (7).<br/> *Physics (5).<br/> *Hist. of Philosophy (8).<br/> *Emb'g and Histol.<br/> *Mathematics.<br/> *Jurisprudence (11).</p>   | <p>*German (11).<br/> *Mathematics (15).<br/> *Modern History (4).<br/> *Metaphysics (10).<br/> *Physics (5).</p>  | <p>*Latin.<br/> *Hist. of Philosophy (3).<br/> Astronomy (6).<br/> *Exper. Psych., N.S. (17)<br/> *Meteorology, a.<br/> *Jurisprudence (11).<br/> *Physics (5).</p> | <p><i>English</i> (2).<br/> *Classics, Philol. (Vict.)<br/> (or Aristotle) (7) a.<br/> *Mathematics.</p>  | <p>‡Mod. Hist. (9).</p> |
| 10 a.m. | <p>*English (11).<br/> *Latin (15) a.<br/> *Hist. of Philosophy (5).<br/> *Physiology.</p>  | <p><i>Latin</i> (3).<br/> *French (Semin.).<br/> *Greek, a (7).<br/> *Latin, b (7).<br/> *Physiology.<br/> *Geology (Crystallog.).<br/> *Mathematics (15).</p> | <p>*French (10).<br/> *Greek Prose (2).<br/> *Greek (7) b, (6) a.<br/> *Hist. of Philosophy (5).<br/> *Meteorology, a.<br/> *Anglo-Saxon (Semin.).<br/> *Physiology.</p> | <p>*Ethics (10).<br/> *Mathematics (12)<br/> *French (12).<br/> *Classics, Philol. (Vict.).<br/> *Physiology.<br/> *Greek (5).<br/> Middle English (Semin.).</p>    | <p>*Roman History (Vict.).<br/> ‡Hist. of Philosophy (8).<br/> *Emb'g and Histol.<br/> *Italian (10).<br/> *Physics.<br/> *Geology (Lithology).<br/> *Organic Chem., C.M.</p>                           |                         |
| 11 a.m. | <p><i>English</i> (4).<br/> *Greek (5).<br/> *Exper. Psych., N.S. (17)<br/> *Organic Chem., C. M.<br/> *Federal Const. Law (6).</p> | <p>*English (12).<br/> *Latin (7).<br/> Economics (9).<br/> *Physiological Dems.<br/> *International Law (6), a</p>  | <p>*Spanish (15).<br/> *Latin (3).<br/> *French (14).<br/> *Greek (5).<br/> *Physiology.<br/> *Federal Const. Law (6).</p>   | <p>*Greek (5).<br/> *English (12).<br/> Economics, (9).<br/> *Metaphysics (Psychol.).<br/> *Physiology.<br/> *Internat. Law (6), a.</p>                             | <p><i>Orientalis.</i><br/> *French (Semin.).<br/> *Latin (Vict.).<br/> *French (11).<br/> *Physiology.<br/> *Metaphysics (10).<br/> *History of Chemistry, C.M., P.C.<br/> *Federal Const. Law (6).</p> |                         |
| 12 m.   | <p>*German (15) and (13).<br/> *Greek (5).<br/> *Psychology.<br/> *Geology (Crystallog.).</p>                                       | <p>*German (10).<br/> *Greek, b (5).<br/> *Orientalis (7).</p>   | <p>*Psychology.<br/> *Greek (7), b.</p>  | <p>*German (10).<br/> *Greek (Semin.).</p>  | <p><i>Latin Prose</i> (8).<br/> *Greek Prose (5).<br/> *German (13) (15).</p>   |                         |
| 2 p.m.  | <p>*Italian (15).<br/> *Orientalis.</p>   | <p>*Orientalis.<br/> *German (10).<br/> *Geology.</p>  | <p>*Orientalis. *Geology.<br/> *Canadian Const. Hist. (6).</p>   | <p>*Geology.</p>  |   |                         |
| 3 p.m.  | <p>*Economics (8).<br/> *Spanish (15).</p>  | <p>*French (14).<br/> Economics (8).</p>   | <p>*Orientalis.<br/> Economics (8).</p>  | <p>*Economics (8).<br/> *Orientalis.</p>  | <p>*Greek a (7).<br/> *German (12).<br/> *Orientalis. *Econ. (8).</p>   |                         |
| 4 p.m.  |   | <p>*Orientalis.<br/> *Chemical Thermodyn., C.M., P.C.</p>  |  | <p>*Chemical Thermodyn., C.M., P.C.<br/> Hebrew (13).</p>   | <p>*Orientalis.</p>   |                         |

## University of Toronto.

### Faculty of Arts.

1901—1902.

*President of the University*.....JAMES LOUDON, M.A., LL.D.

*Vice-President and Dean of the Faculty*..R. RAMSAY WRIGHT, M.A.,  
B.Sc., LL.D.

- 
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- F. B. ALLAN, M.A., PH.D., *Lecturer in Chemistry*.      20 Ross Street.
- GEO. R. ANDERSON, M.A., *Assistant in Physics*.      769 Euclid Avenue.
- ALFRED BAKER, M.A., *Professor of Mathematics*.      81 Madison Avenue.
- B. A. BENSLEY, B.A., PH.D., *Temporary Instructor in Zoology*.  
The Dean's House.
- MISS C. C. BENSON, B.A., *Fellow in Chemistry*.      1 Washington Avenue.
- E. F. BURTON, B.A., *Fellow in Mathematics*.      347 Clinton Street.
- C. M. CARSON, B.A., *Lecture Assistant in Chemistry*.      42 Murray Street.
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67 Madison Avenue.
- J. G. HUME, M.A., PH.D., *Professor of History of Philosophy*.  
58 Spadina Road.
- MAURICE HUTTON, M.A., *Professor of Comparative Philology*.  
67 Queen's Park.
- C. M. FRASER, B.A., *Class Assistant in Zoology*.      \_\_\_\_\_
- E. C. JEFFREY, B.A., PH.D., *Lecturer in Biology*.  
58 Prince Arthur Avenue.
- F. B. KENRICK, M.A., PH.D., *Lecturer in Chemistry*.      209 John Street.
- A. KIRSCHMANN, M.A., PH.D., *Associate-Professor of Philosophy and*  
*Director of the Psychological Laboratory*.      54 St. George Stre



- W. R. LANG, D.SC., *Professor of Chemistry and Director of the Chemical Department.* 8 University Crescent.
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- JAMES LOUDON, M.A., LL.D., *Professor of Physics.* 83 St. George Street.
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- J. C. MCLENNAN, B.A., PH.D., *Demonstrator in Physics.* The Dean's House.
- W. A. PARKS, B.A., PH.D., *Instructor in Mineralogy and Geology.* 50 Albany Avenue.
- W. H. PERSOL, B.A., M.B., *Instructor in Biology.* 712 Spadina Avenue.
- E. J. SACCO, *Instructor in Italian.* 118 Robert Street.
- F. H. SCOTT, B.A., PH.D., *Demonstrator in Physiology.* 576 Church Street.
- W. G. SMITH, B.A., *Assistant in Psychological Laboratory.* Port Credit.
- R. B. THOMSON, B.A., *Class Assistant in Botany.* —————
- P. TOEWS, M.A., PH.D., *Instructor in Spanish.* 60 Czar Street.
- F. TRACY, B.A., PH.D., *Lecturer on Philosophy.* 74 Wilcox Street.
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- S. M. WICKETT, B.A., PH.D., *Lecturer in Political Economy.* Isabella and Huntley Streets.
- R. RAMSAY WRIGHT, M.A., B.SC., *Professor of Biology.* St. George Street.
- G. M. WRONG, M.A., *Professor of Modern History.* 467 Jarvis Street.
- J. MCGREGOR YOUNG, B.A., *Professor of Constitutional and International Law.* The Dean's House.
- S. H. WESTMAN, M.B., *Assistant in Biological Laboratory.* 630 Spadina Avenue.

## University College—Faculty of Arts.

1901–1902.

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110 Avenue Road.

J. H. CAMERON, M.A., *Lecturer on French*.A. CARRUTHERS, M.A., *Lecturer on Greek*.ST. ELME DE CHAMP, B. ÈS L., *Instructor in French*. 301 Jarvis Street.J. FLETCHER, M.A., LL.D., *Professor of Latin*. 3 University Crescent.J. G. HUME, M.A., PH.D., *Professor of Ethics*. 58 Spadina Road.MAURICE HUTTON, M.A., *Professor of Greek*. 67 Queen's Park.G. W. JOHNSTON, B.A., PH.D., *Lecturer on Latin*.

13 St. Andrew Street.

D. R. KEYS, M.A., *Lecturer on English*.

87 Avenue Road.

W. S. MILNER, M.A., *Lecturer on Latin*.

9 Albany Avenue.

R. G. MURISON, M.A., B.D., PH.D., *Lecturer on Oriental Languages*.

100 Madison Avenue.

J. F. MCCURDY, PH.D., LL.D., *Professor of Oriental Literature*.

72 Spadina Road.

G. H. NEEDLER, B.A., PH.D., *Lecturer on German*

52 Avenue Road.

J. SQUAIR, B.A., *Professor of French*.

61 Major Street.

P. TOEWS, M.A., PH.D., *Instructor in German*.

60 Czar Street.

W. H. VANDERSMISSEN, M.A., *Professor of German*.

15 Surrey Place.

## Victoria University—Faculty of Arts.

1901–1902.

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135 Bedford Road.

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77 Avenue Road.

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95 Bedford Road.

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- REV. J. BURWASH, M.A., D.Sc., LL.D., *Professor of English Bible.* 89 Avenue Road.
- L. E. HORNING, M.A., PH.D., (Goettingen), *Professor of German and Old English.* Victoria College.
- REV. J. F. McLAUGHLIN, B.A., B.D., *Professor of Oriental Languages and Literature.* 30 Bernard Avenue.
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- PELHAM EDGAR, PH.D., *Professor of the French Language and Literature.* 21 Elgin Avenue.
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- A. E. LANG, M.A., *Associate-Professor in the German Language and Literature.* 80 Madison Avenue.
- E. MASSON, *Instructor in French.* 93 St. Joseph Street.
- AUSTIN P. MISENER, M.A., *Lecturer in Oriental Languages and Literature.*

NOTE.—For officers of instruction in Federated and Affiliated Colleges, see pp. 275-299.

### University of Toronto—Faculty of Medicine.

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*Dean of the Faculty.* . . . . . R. A. REEVE, B.A., M.D., LL.D.

#### *Professores Emeriti.*

JAMES THORBURN, M.D.

W. W. OGDEN, M.D.

M. H. AIKINS, B.A., M.D.

J. H. RICHARDSON, M.D.

- H. W. AIKINS, B.A., M.B., Tor., *Associate-Professor of Anatomy.* 264 Church Street.
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- G. H. BURNHAM, M.D., Tor., F.R.C.S., Edin., *Associate-Professor of Ophthalmology and Otology.* 167 Bloor Street East.
- I. H. CAMERON, M.B., Tor., F.R.C.S., Eng., *Professor of Surgery and Clinical Surgery.* 307 Sherbourne Street.
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- M. M. CRAWFORD, M.B., Tor., *Assistant-Demonstrator of Pathology.* 22 Cottingham Street.
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- W. H. ELLIS, M.A., M.B., Tor., *Professor of Toxicology.* 74 St. Albans Street.
- W. GOLDIE, M.B., Tor., *Demonstrator in Clinical Medicine.* 58 College Street.
- A. R. GORDON, M.B., Tor., *Lecturer in Clinical Medicine.* 345 Bloor Street West.
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- A. C. HENDRICK, B.A., M.B., Tor., *Assistant-Demonstrator of Anatomy.* 323 College Street.
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- J. W. O. MALLOCH, B.A., M.B., Tor., *Assistant-Demonstrator of Anatomy.* 327 College Street.
- W. L. MILLER, B.A., Tor., PH.D., Munich, *Associate-Professor of Physical Chemistry.* 50 St. Albans Street.
- HON. DAVID MILLS, LL.B., K.C., *Legal Lecturer on Medical Jurisprudence.* London, Ont.
- A. B. MACALLUM, B.A., M.D., Tor., PH.D., Johns Hopkins, *Professor of Physiology.* 59 St. George Street.
- J. M. MACCALLUM, B.A., M.D., Tor., *Professor of Pharmacology and Therapeutics.* 13 Bloor Street West.



- W. J. MCCOLLUM, M.B., *Assistant-Demonstrator of Anatomy.*  
168 Jarvis Street.
- G. R. McDONAGH, M.D., Tor., *Professor of Laryngology and Rhinology.*  
140 Carlton Street.
- D. MCGILLIVRAY, M.B., Tor., *Assistant-Demonstrator of Anatomy.*  
42 Carlton Street.
- K. C. MCILWRAITH, M.B., *Demonstrator in Obstetrics.*  
39 Carlton Street.
- H. T. MACHELL, M.D., Tor., *Associate-Professor of Obstetrics and Pediatrics.*  
95 Bellevue Avenue.
- J. J. MACKENZIE, B.A., M.B., Tor., *Professor of Pathology and Bacteriology.*  
100 St. Vincent Street.
- A. J. MACKENZIE, B.A., LL.B., M.B., Tor., *Assistant-Demonstrator of Anatomy.*  
Upper Canada College.
- W. MCKEOWN, B.A., M.B., Tor., *Lecturer in Clinical Surgery.*  
7 College Street.
- A. MCPHEDRAN, M.B., Tor., *Professor of Medicine and Clinical Medicine.*  
151 Bloor Street West.
- UZZIEL OGDEN, M.D., Tor., *Professor of Gynaecology.* 18 Carlton Street.
- W. OLDRIGHT, M.A., M.D., Tor., *Professor of Hygiene, Associate-Professor of Clinical Surgery.*  
154 Carlton Street.
- G. A. PETERS, M.B., Tor., F.R.C.S., Eng., *Associate-Professor of Surgery and Clinical Surgery.*  
102 College Street.
- W. H. PIERSOL, B.A., M.B., Tor., *Assistant-Demonstrator of Anatomy.*  
712 Spadina Avenue.
- A. PRIMROSE, M.B., C.M., Edin., *Professor of Anatomy and Director of the Anatomical Department, Associate-Professor of Clinical Surgery.*  
100 College Street.
- R. A. REEVE, B.A., M.D., Tor., LL.D., Tor., *Professor of Ophthalmology and Otology.*  
22 Shuter Street.
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481 Sherbourne Street.
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The Constitution, powers and functions of the University are defined in "The University Act, 1901."

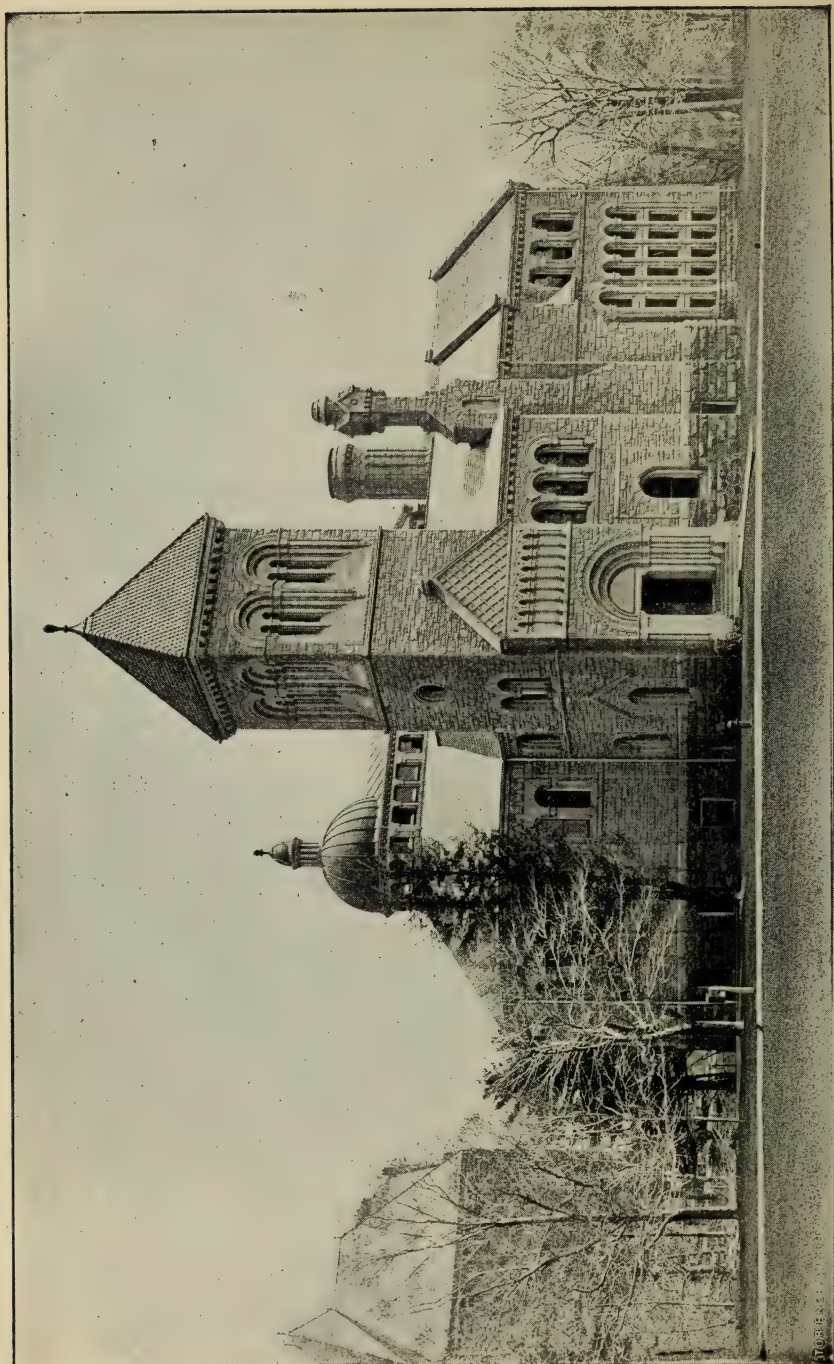
The management of the property, finances and academic business of the University is entrusted to the Board of Trustees, the Senate, Convocation, the University Council, and the Council of University College. The functions of these various bodies are exercised subject to supervision and control by the Crown as hereafter explained.

1. THE CROWN.—The supreme authority is vested in the Crown. The Lieutenant-Governor of Ontario is the Visitor of the University (as well as of University College) on behalf of the Crown, and his visitatorial powers may be exercised by commission under the Great Seal. All annual appropriations made by the Board of Trustees are subject to the approval of the Lieutenant-Governor in Council. All expenditures of endowment must be similarly authorized, and are subject also to ratification by the Legislative Assembly. The Crown exercises also a veto power as to certain statutes of the Senate and by-laws, rules and regulations of the Board of Trustees. Appointments in the University (as well as in University College) are made by the Crown, after such examination, inquiry and report as are considered necessary.

2. THE BOARD OF TRUSTEES.—The Board of Trustees consists of nine members, viz., the Chancellor, the Vice-Chancellor, the President of the University, the Principal of University College, and five persons appointed by the Lieutenant-Governor in Council. The Board of Trustees is a body corporate with a common seal and power to hold lands for the purposes of the University and University College. All the property and effects of the University (as well as of University College) are vested in the Board of Trustees in trust. The Board has general powers with regard to the management, control and government of the property, endowments and income of the University and College, subject to the control of the Crown. In the discharge of its functions the Board makes







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by-laws, rules and regulations regarding the investment of the funds, the selling and leasing of University properties, the letting of contracts, the appointment and removal of the Bursar and his assistants, clerks, and other officers and servants of the University, the fixing of salaries, the fees to be paid by students, the annual appropriations and the transaction of other business.

3. THE SENATE.—The Senate consists of three classes of members: (1) *Ex officio* members; (2) Appointed members; and (3) Elected members. The *ex officio* members are the Minister of Education, the Chancellor, the President of the University, the Principal of University College, the president or head of each federated university or college, the deans of the faculties of Arts, Law, Medicine, and Applied Science and Engineering, the Chairman of the Board of Trustees, and all past Chancellors and Vice-Chancellors. The appointed members consist of three representatives appointed by the professors and associate-professors in Arts and Law, two by the professors and associate-professors in Medicine, two by every federated college, one by every federated university, one by University College, one by the Law Society of Upper Canada, and one by each affiliated institution (subject, however, in the latter case to certain restrictions). The elected members at present number twenty-six, and represent the graduates of the University of Toronto in Arts (twelve members), in Medicine (four members), in Law (two members), the graduates in Arts of the federated University of Victoria (five members), the graduates in Applied Science and Engineering (one member), and the High School teachers of the Province (two members)—the graduates in Medicine and Law of Victoria University voting along with the graduates of the University of Toronto in the same faculties.

The body thus composed is renewed once in three years, when all except the *ex officio* members must retire, being eligible, however, for re-appointment or re-election. The chairman of the Senate is the Chancellor, who is the elected representative of the whole body of graduates, or in his absence the Vice-Chancellor, who is elected by the Senate from

among its members at its inaugural meeting after the triennial dissolution.

The functions of the Senate regard the general management of the academic work of the University, including the courses of studies, the prescription of curricula in the various faculties and schools, the publication of the Calendars of the University and University College, the examinations for degrees, scholarships, prizes and certificates of honour, the granting of degrees, and the promotion of the interests and welfare of the University in cases not otherwise provided for by law. The Senate is empowered to make provision for the affiliation of any college, school or other institution established in the Province for the promotion of science or art, or for instruction in law, medicine, engineering, agriculture, or other useful branch of learning, and for the dissolution of such affiliation or the modification or alteration of the terms thereof.

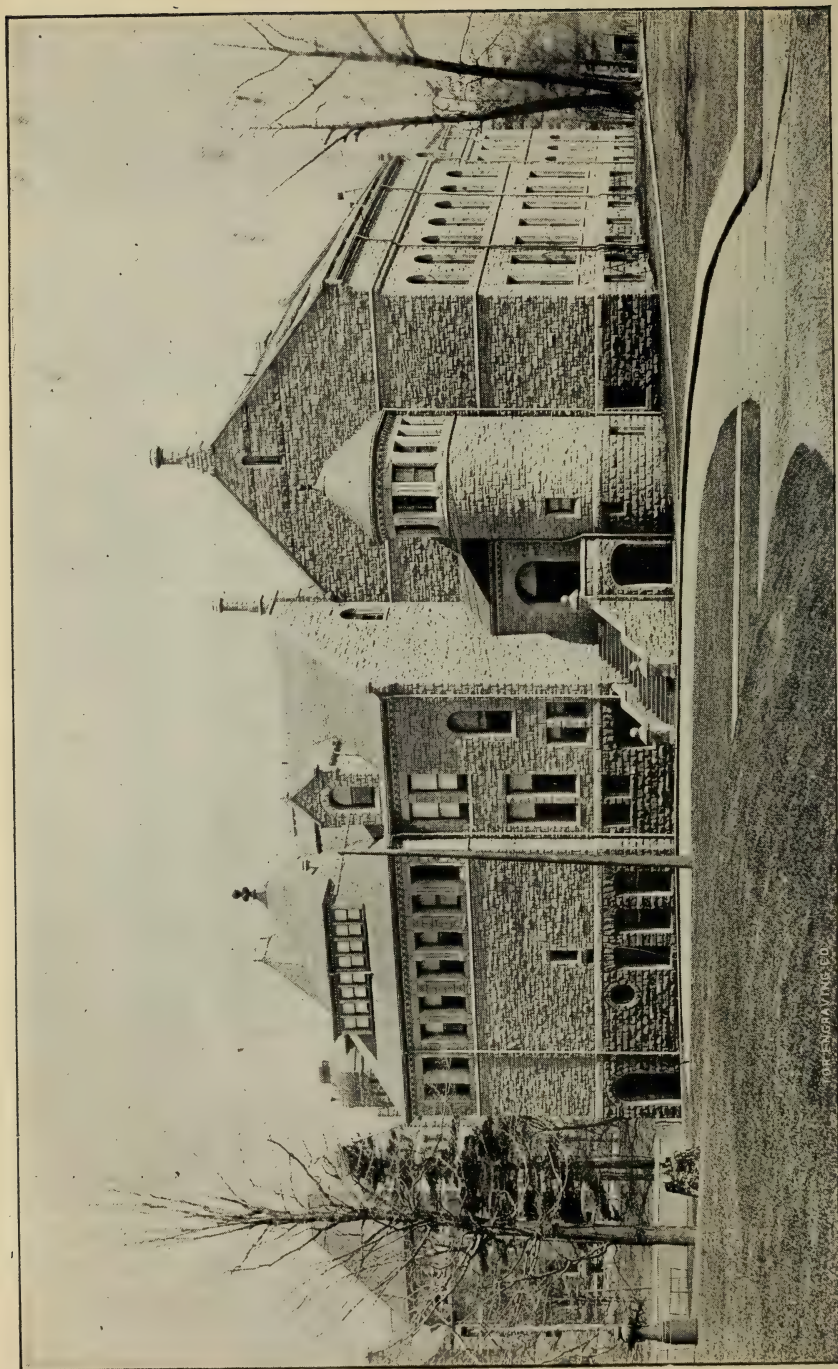
It may also report to the Visitor on the general condition and progress of the University, and has power to inquire and report concerning the conduct, teaching, and efficiency of members of the Faculties of the University of Toronto and of University College.

4. CONVOCATION.—Convocation consists of the whole body of graduates of the University, in all faculties. Except indirectly through its elected representatives, no part of the management of the University is exercised by it as a whole. It elects the Chancellor, and, in divisions according to faculty, it elects members of Senate as its representatives in Arts, Medicine, Law and Applied Science and Engineering. Any question relating to University affairs may be discussed by it, and a vote taken. The result of such discussion is communicated to the Senate, which must consider the representation made, and return to Convocation its conclusion thereon.

5. THE UNIVERSITY COUNCIL.—This body consists of the President, the senior Professor in each department of the University faculties of Arts, Medicine, Applied Science and Engineering, the Principal of University College, the Principal of each federated university or federated college and the Librarian of the University. The Council has power to deal







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with all matters affecting the discipline of students, to impose reasonable fines and to control all student societies or associations. It is also empowered under certain conditions to determine the time-tables, lectures and laboratory work of the University, to grant dispensations from the lectures and laboratory work of the University and Colleges, and to authorize such lecturing or teaching in the University by others than the duly-appointed professors and teachers as may be deemed expedient, and to prevent all lecturing or teaching not so authorized.

6. THE COUNCIL OF UNIVERSITY COLLEGE.—This body is composed of the Principal and the Professors and Associate-Professors of the College. It has committed to it the direction and management of the College with full authority over and entire responsibility for the discipline (including the imposition of reasonable fines) of the undergraduates in relation to the lectures and other instructions of the professors, lecturers and other teachers of the College; and no lecturing or teaching of any kind may be carried on in the College by any other than the duly-appointed professors or teachers without the authority of the Council.

7. FEDERATED INSTITUTIONS.—The following institutions are federated with the University, viz., Victoria University, Knox College, Wycliffe College and St. Michael's College. The President or other head of each is *ex officio* a member of the Senate and of the University Council. In addition, Knox, Wycliffe and St. Michael's Colleges each appoint two other representatives on the Senate. Victoria University appoints one other, and its graduates elect five more representatives. All regular students matriculated in the University who are enrolled in University College or Victoria University and who enter their names with the Registrar of the University are entitled to free instruction in Arts in the University. But this provision does not include exemption from laboratory fees, nor does it apply to post-graduate instruction. When a federated college, by arrangement with the University Council, teaches any part of the Arts course the Trustees may make a reduction in the fees of students taught in such College.

## GENERAL INFORMATION FOR STUDENTS.

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### Discipline.

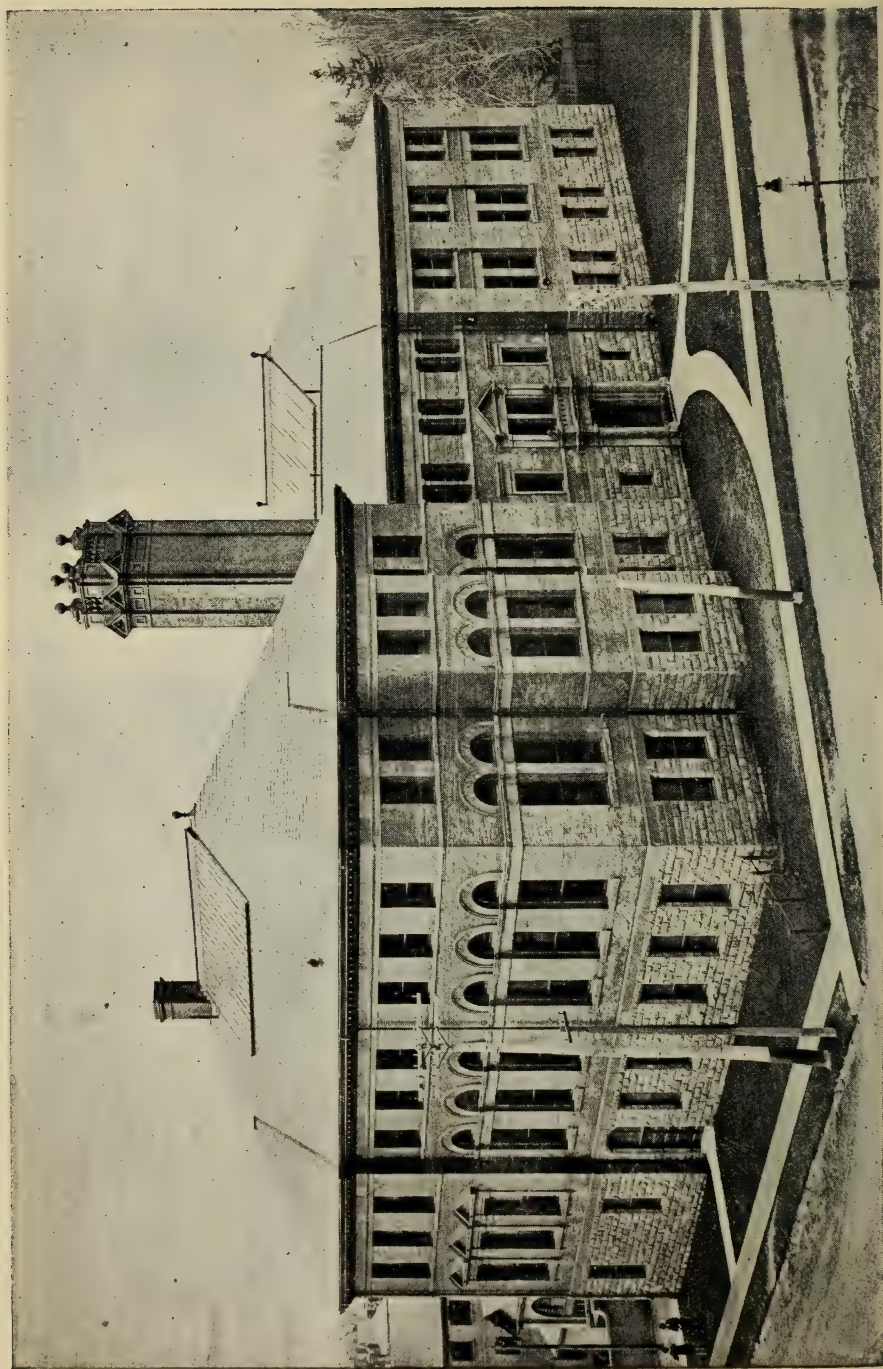
All students attending courses of instruction in the University of Toronto are responsible to the University Council for proper and orderly conduct within the University class rooms, buildings and grounds. The Council has authority to impose fines, and to use all other appropriate means of discipline.

### The Library.

The University Library occupies a separate building erected almost wholly by private benefaction, and completed in 1892. Besides a fire-proof book-room with a storage capacity of 100,000 volumes, it contains a reading room capable of seating upwards of 200 readers, a periodical room, seven departmental libraries, offices, cloak rooms and conversation rooms. The building is heated by steam throughout, thoroughly ventilated and supplied with electric light. The library contains at present upwards of 72,000 volumes, together with upwards of 7,000 unbound pamphlets. It is provided, as far as the income permits, with the standard and current literature of all subjects taught in the University. In the departments of the natural and physical sciences it includes the principal journals and transactions of societies. In the departments of language and literature, the works of all authors of primary or secondary importance from the origins of each literature to the present time are available, as well as the principal philological and literary periodicals. Corresponding facilities are provided in the departments of philosophy, history and political science. The library is a circulating one for members of the Faculty, and a library of reference for students. The latter, however, are allowed under certain conditions the use of books at home outside of library hours, and students engaged in special work, requiring the consultation of books of reference, are allowed access to the stack room by the librarian







CHEMICAL BUILDING

on the recommendation of the professors. The departmental libraries are in charge of the professors in each department, and contain special reference collections of books. These rooms are used for the instruction of advanced students, who may at the discretion of their professors use the rooms and the books contained in them for private study. The conversation rooms, situated in the basement, are intended for the use of students who wish to withdraw for the purpose of discussion or combined study, to avoid disturbance of the reading room proper, where absolute quiet must be observed. Besides the general library, there is also a special collection of periodicals and monographs situated in the Biological Building, and another in connection with the psychological laboratory for the use of students and staff engaged in practical work.

### Laboratories.

The Physical Laboratory, established in 1878, is situated in the Western part of the main University Building, and consists of a set of rooms for elementary work, together with a number of special laboratories. The apparatus in the former is suitable for preliminary exercises in reading and constructing scales, and for the simpler experiments in Mechanics, Geometrical Optics, Heat, Sound and Electricity. The special laboratories are equipped for the use of advanced Arts students taking the honour course in Physics, and for senior students in Engineering.

In connection with the laboratory is a well-equipped workshop in charge of a skilled mechanic who makes the necessary repairs, and constructs many of the new instruments added to the collection. Special arrangements may be made by graduate students for pursuing original investigations in the laboratory.

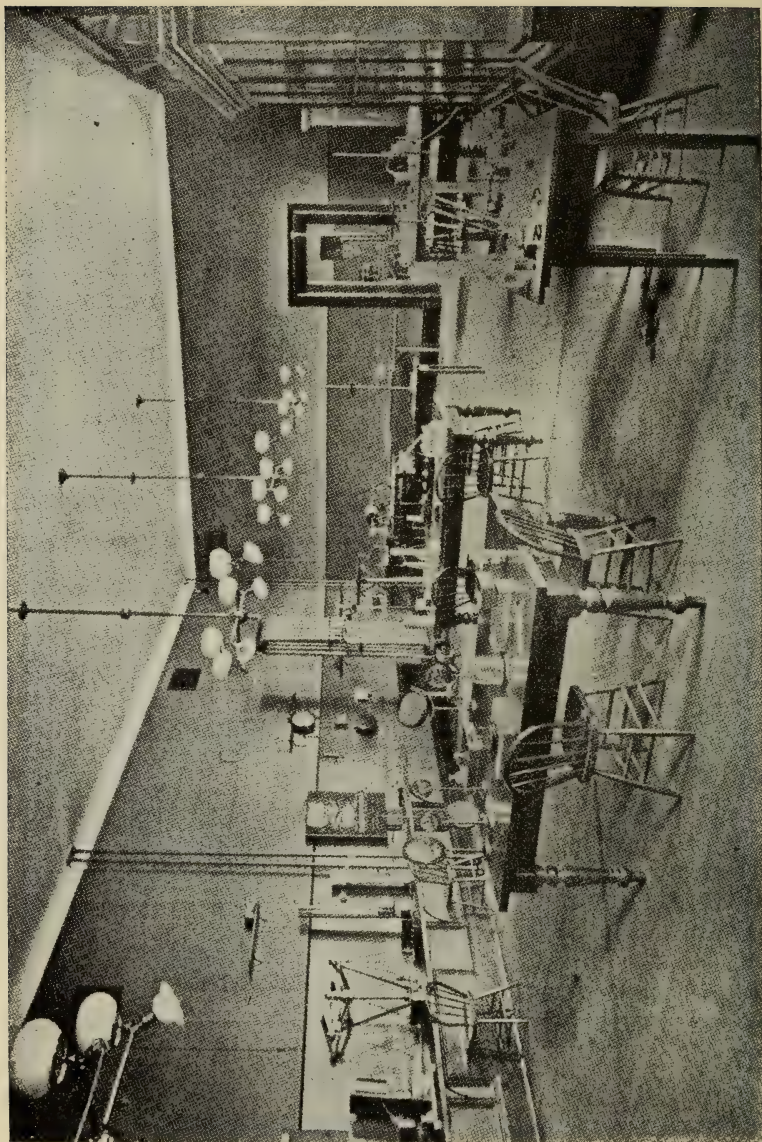
The Psychological Laboratory, which was established in 1892, is situated in the west wing of the main University Building, in close proximity to the Physical Laboratory, the apparatus of which is available for some of the work in Psychology. The Laboratory is well equipped for investigations in Psycho-Physics, Psychological Optics and Acoustics

and time relations of mental phenomena. There is in connection with the laboratory a small library containing the periodicals and the special literature of Experimental Psychology. On account of the increased number of undergraduates and graduates in the Philosophical Department, and especially in order to facilitate the independent research of the graduates, it was found necessary in 1896 to extend the Psychological Laboratory by the addition of the rooms adjoining the Ethnological Museum and in 1900 by the addition of the rooms in the two upper storeys of the first house of the Residence.

The Biological Building contains laboratories both for general and special work. On the ground floor are laboratories for Physiology and Physiological Chemistry. On the first floor there are, in addition to the large laboratory for general purposes, laboratories for Morphology, Bacteriology, Physiological Botany, a photographic room, and a store room for chemical re-agents. The large laboratory mentioned above is used for the practical instruction of students of the First and Second years in Arts and Medicine. The Morphological Laboratory for students of the Third year has accommodation for twenty-two students, while for students of the Fourth year accommodation is furnished in the two large laboratories of the ground floor, one of which, specially designed for Physiology, is at present used also for Morphological work, and the other fitted up for practical instruction in Physiological Chemistry. The Morphological Laboratories are provided with microscopes and all apparatus used by the students in Morphological work, and they contain, stored in glass cases, a large number of model and museum preparations for the illustration of animal and vegetable Morphology. The Bacteriological Laboratory is provided with apparatus to illustrate the Biology of Bacteria. The Physiological Laboratory is provided with a fairly complete outfit of apparatus for demonstrations in Physiology. This apparatus is used for illustrating the lectures in Physiology delivered to the students of the First and Second years in Arts and Medicine, but is also employed by students in advanced Physiology (of the Fourth year Arts) in repeating for themselves all the







ELEMENTARY PHYSICAL LABORATORY.

important experiments dealt with in the advanced lectures on the subject. The apparatus for lecture purposes include a projection microscope by Zeiss for electric light. The photographic room in connection with the laboratories is supplied with all the apparatus used in photography as applied to the various kinds of biological work.

The Chemical Building was completed in 1895. It contains, in addition to two lecture rooms with accommodation for 300 and 100 students, respectively, special laboratories for qualitative analysis, quantitative analysis, organic preparations, physical chemistry, gas analysis, combustion and furnace operations, and for the prosecution of original investigation. The total number of working places in these laboratories exceeds 200.

The Laboratory for Mineralogy and Geology is accommodated temporarily in the west wing of the Biological Building. Assay furnaces and other appliances for the practical work of the department are provided.

### Museums.

The University Biological Museum forms the central portion of the Biological Building, and is open to the public. It is primarily intended as an educational Museum for the students taking biology as part of their University work, and is arranged in such a way as to facilitate the most elementary as well as the most advanced studies. Each specimen is furnished with a printed label indicating the most salient points which it is designed to illustrate, but it is anticipated that the Museum will also be of great interest to the general public.

The public entrance to the Museum is approached from the west facade of the Biological Buildings, while the students gain access to the rooms through the eastern wing, in which the laboratories are situated. The interior of the Museum, which occupies two floors, is sub-divided into four rooms, seventy-five by twenty-five feet in size, and amply lighted by handsome windows on the north and south sides. Three of these rooms are devoted to Animal Biology, while the fourth, which is to be arranged for the illustration of Vegetable

Biology, is temporarily fitted up for the accommodation of the Ferrier collection of minerals.

The public entrance opens into the north ground floor room, the wall cases in which contain stuffed specimens of the various orders of Mammals, while the free-standing cases between the windows illustrate the comparative anatomy and development of that class. All the show cases are constructed of iron and plate glass, those destined for the exhibition of smaller specimens standing on wooden storage cases, built of cherry and cedar, and containing skins and other specimens for private study. The south ground floor room is devoted to the remaining vertebrate classes, the wall cases containing stuffed specimens of birds, reptiles, batrachians and fishes, and the smaller cases between the windows containing specimens illustrating the comparative anatomy and development of these classes.

A handsome staircase decorated with busts of distinguished biologists connects the ground floor with the first floor; a number of wall cases in ascending series contains a small collection of fossils from all parts of the world, as a graphic illustration of the relative position of the fossiliferous strata, and of their characteristic remains, while the first floor is devoted to the display and storage of specimens of the Invertebrata.

The Ethnological Museum is situated in the second storey of the main University Building. It contains that part of the ethnological collection which was saved from the fire of 1890, together with the additions which have been made since that time. There is a fair collection of skulls, including ancient Egyptian and Roman skulls and models of the Neanderthal, Cro-Magnon, and other famous skulls. There are also interesting palæolithic implements from the English and French Drift, and the beginning of a good collection of stone implements from various parts of Canada.

### University Publications.

Under the general title of "University of Toronto Studies," a publication in the interests of scholarship and research is issued, containing selected papers by members of the Univer-



sity. It is supported by a small grant from the provincial government. The committee of management represents the Faculties of the University, University College, Victoria University and the School of Practical Science. The President of the University is Chairman of the committee, and the Librarian is general editor of the publications. From the nature of the publication, there is no regularity of issue, but as papers are accepted and recommended for publication, they are published to the extent of the funds available, without regard to any consideration except that of their value as contributions to the literature of learning.

For list of studies published to May, 1902, see Appendix, p. 33.

### **Public Lectures.**

In addition to the regular courses of instruction, a number of public lectures on special subjects of interest are delivered annually under the auspices of the University, on Saturday afternoons, by members of the Faculty and others whose services are given voluntarily in this work. The lectures cover a large variety of topics, and those delivered hitherto have been numerous attended by the public, as well as by the students of the University. For the list of subjects and lectures during 1901-1902, see Appendix, pp. 34 and 38.

### **Student Societies.**

Various societies and associations have been organized for the promotion of social intercourse, literary and scientific activity, music and athletics. For list of officers of these societies, see Appendix pp. 39 and 45.

### **Gymnasium and Athletic Grounds.**

The University Gymnasium was completed and equipped in 1893. In 1894, additions were made to the front of the building in which the Gymnasium is situated, consisting of committee rooms and a large hall for public meetings. This additional accommodation is available for the work of the various student societies and for academic purposes. Applications for the use of rooms, accompanied by a list of officers

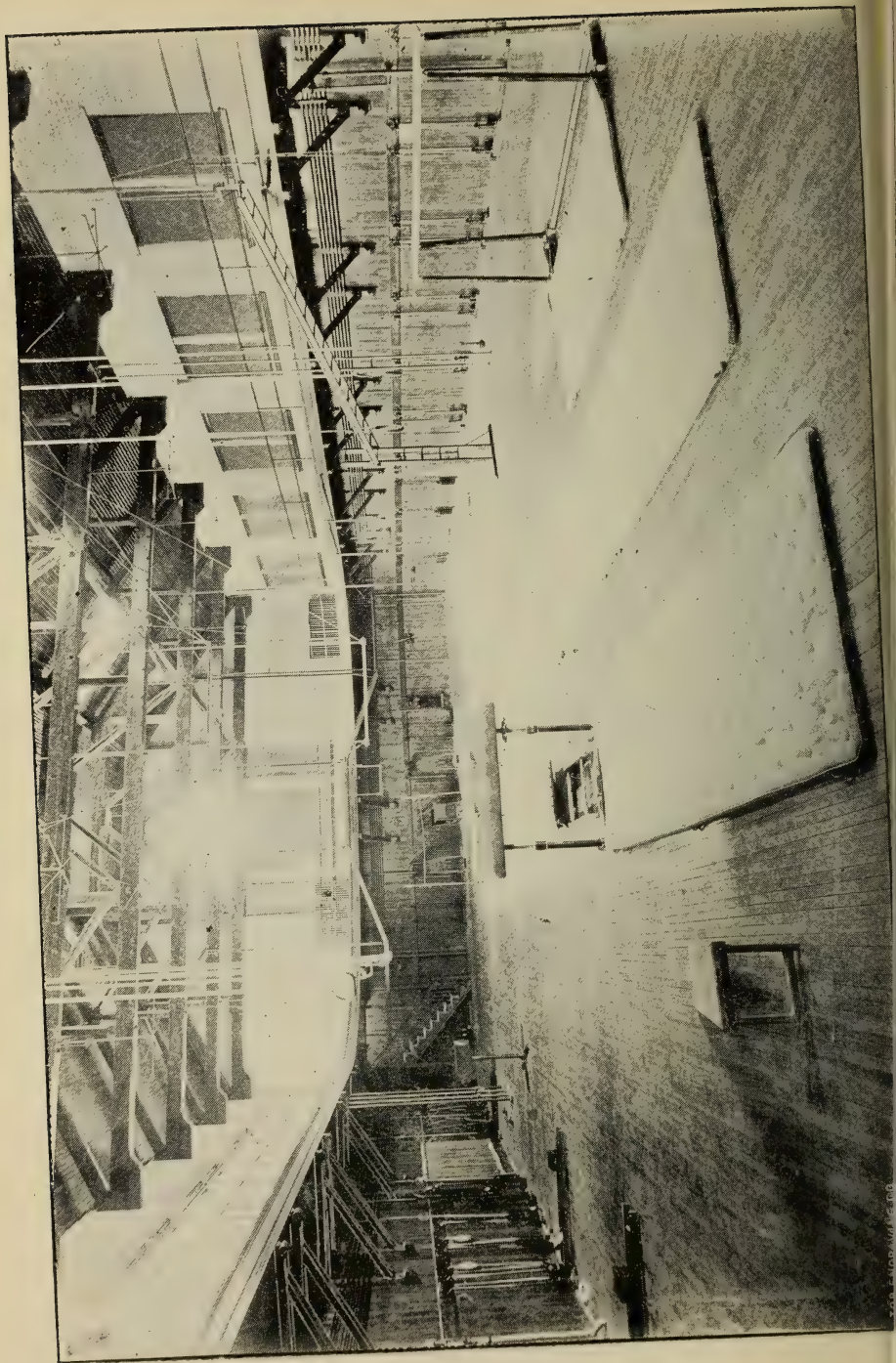


and a copy of the constitution of the society making application, must be made to the President at the beginning of the session, or from time to time as occasion requires. Arrangements have also been made by which recognized societies may obtain the use of committee rooms on application to the janitor of the building.

The Gymnasium is fully provided with the best and most modern appliances for physical culture, and contains a running track, shower baths and swimming bath, besides the necessary dressing rooms and other conveniences. A competent instructor in Gymnastics is in constant attendance to superintend and direct the exercises of students. In addition to the lawn in front of the main University Building and the campus in the rear, a large plot of ground on Devonshire Place has been prepared and set apart as an Athletic Field. By this addition the facilities for football, cricket, tennis and other outdoor athletic sports are doubled, as compared with previous accommodation; and by these grounds, in conjunction with the Gymnasium, ample opportunity is afforded to all students for healthful exercise and physical development. To assist in meeting the expenses of the Gymnasium, a nominal annual fee is imposed on those who avail themselves of its advantages. The supervision of all athletic matters has been entrusted by the Council to the Athletic Association, consisting of members appointed from the Faculty and representatives of the students. All applications of clubs for the use of grounds must be made annually to this board. All such applications must be accompanied by a list of officers. In the case of new clubs, the list of officers must be accompanied by particulars as to the organization and objects of the club making application. For table of gymnasium hours, see Appendix, pp. 41-42.

A diploma in gymnastics and physical drill is granted to those who fulfil the requirements of the curriculum prescribed therefor by the Senate. (See p. 274.)





### **Undergraduate Union.**

Through the efforts of the faculty, graduates, undergraduates and friends of the University, this organization was established during the session of 1900-1901. It has for its object the promotion of social intercourse among the students of the various faculties, colleges and schools. Apartments for the accommodation of the Union have been provided in a portion of the building formerly occupied by the College Residence.

### **Dining Hall.**

In October, 1900, the Dining Hall, formerly belonging to the College Residence, was re-opened. Under the management of a representative committee, students are provided with meals at moderate rates. Full particulars may be obtained at the Dining Hall Office in the Dean's House.

### **Lodging and Board.**

Lodging and board are readily obtainable in numerous private boarding-houses within convenient distance of the University, at a cost of from three dollars upwards for comfortable lodging with board; or rooms may be rented at a cost of from one dollar per week upwards, and board obtained separately at moderate rates. A list of accredited boarding-houses is kept by the Secretaries of the Young Men's Christian Associations of University College and Victoria University, and students are recommended to consult them with reference to the selection of suitable accommodation.

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## INFORMATION FOR STUDENTS IN ARTS.

### Degrees.

The degree of Bachelor of Arts is conferred on those persons who have completed the prescribed courses of study and passed the required examinations. The courses of study extend over a period of four years, and are divided into General and Honour courses. A corresponding distinction is made in the degrees conferred. Attendance on lectures is compulsory, unless a dispensation is granted owing to special circumstances. The degree of Master of Arts is conferred on Bachelors of Arts of at least one year's standing, on the presentation of an approved thesis in one of the departments of study in Arts. Provision is also made for admission *ad eundem gradum* in the case of both degrees. The curriculum of study prescribed for the degree of Bachelor of Arts will be found on pp. 70-132. For further details, see also pp. 136-165. The degree of Doctor of Philosophy is conferred upon Bachelors of Arts of at least two years' standing, who have complied with the requirements prescribed by the Senate, see pp. 133-135.

### Entrance.

Candidates for the degree of Bachelor of Arts may enter this Faculty either by Junior Matriculation or Senior Matriculation (the examination of the First year). The certificate of the Department of Education is accepted *pro tanto* at both of these examinations. The subjects of Latin, English, History, Mathematics; and any two of Greek, French, German, Elementary Experimental Science, are required of all candidates at Junior Matriculation. The subjects of English, Latin; any two of the following languages, viz., Greek, French, German, Hebrew, Ancient History, Mathematics, and Physics or Biology are required of all candidates at Senior Matriculation. Additional work in the various subjects is prescribed for

honour standing. The Junior Matriculation examination for the Province of Ontario is held in July, and applications must be sent to the Education Department before 24th May. A Junior Matriculation examination is also held in June, at various centres outside the Province of Ontario (see below). The Senior Matriculation examination is held in May and June, and Supplemental examinations for both Junior and Senior Matriculation are held in September, applications for all such examinations being sent to the Registrar of the University of Toronto. All applications must be accompanied by the prescribed fee, namely, five dollars for Junior Matriculation examination, and fifteen dollars for Senior Matriculation. Provision is also made for admission *ad eundem statum*, the fee being ten dollars. The July Junior Matriculation examination is held at the University of Toronto and at the various High Schools and Collegiate Institutes throughout the Province of Ontario. The June Junior Matriculation examination is held at such centres outside the Province of Ontario as may be determined from time to time. The May Senior Matriculation examination is held at the University of Toronto, and the June Senior Matriculation examination is held at the University of Toronto and at such other centres as may be determined from time to time. The Supplemental examinations are held at the University of Toronto only. For details see p. 73, etc.

### Instruction.

Instruction is given in the various subjects of the Arts course by the Arts Faculty of the University of Toronto, the Faculty of University College, and the Arts Faculty of Victoria University. In the division of the work of instruction between these faculties the subjects are assigned as follows:—To the Faculty of the University of Toronto: Mathematics, Physics, Mineralogy and Geology, Biology, Chemistry, History of Philosophy, Logic and Metaphysics, Comparative Philology, Phonetics, Italian, Spanish, Modern History, Political Economy and Constitutional History, Constitutional and International Law, Roman Law, General Jurisprudence, and History of English Law; and to the Faculty of University

College, as also to that of Victoria University: Latin, Greek, Ancient History, English, French, German, Oriental Literature, Ethics. Instruction in certain options allowed to theological students of federated institutions is given in Victoria University, Knox College, Wycliffe College and St. Michael's College. St. Michael's College also co-operates with the University in the work of instruction in Modern History and Philosophy.

### **Examinations.**

In addition to the Matriculation examination mentioned above, candidates proceeding to the degree of Bachelor of Arts are required to pass an annual examination, held in the month of May, in all the subjects of their course of study. In the First and Second years a report is required from the professor or lecturer in all subjects of the General course, except Chemistry, Biology and Geology and Physics, based upon the attendance of candidates and their proficiency during the year. This report is incorporated with the results of the May examination, of which it constitutes an essential part. Candidates for honours in Physics, Chemistry, Biology, Mineralogy and Geology, and Psychology, before proceeding to the annual examination, must present a certificate of having attained honour standing in the practical work of the subject during the year. For details see pp. 74-79.

### **Scholarships, Prizes and Medals.**

A large number of scholarships are awarded in the University of Toronto upon the result of competitive examinations. Through the generosity of the Ex-Chancellor, Mr. Edward Blake, and others, twenty-nine scholarships are offered annually at Matriculation for proficiency in the subjects of the examination on the whole, and also for proficiency in one or more branches of learning. In nearly all cases these scholarships include free tuition throughout the undergraduate course, being made dependent, however, upon the maintenance of a certain standard of scholarship by the winner after Matriculation. With the exception of one scholarship with special conditions, they range in value from \$105

to \$230. In addition to the above, various undergraduate scholarships are offered for competition in Mathematics, Physics, Philosophy, Natural Science, Chemistry and Mineralogy and Political Science. These scholarships range in value from \$50 to \$75, and are tenable for one year. A scholarship of \$60 in Political Economy, and one of £150 sterling in either Physics or Chemistry, are offered for post-graduate competition, the former annually and the latter every second year. Prizes in books are offered in Italian and Mineralogy and Geology. Medals are awarded in Mathematics, Physics, Natural Science, in the work of the General Course, and in certain of the Honour departments with English. For details see pp. 59-67.

### Fellowships.

Tutorial Fellowships are offered in Mathematics, Chemistry and Biology. They are of the value of \$500, and are open to graduates of the University only. The Fellows are appointed annually, and are eligible for reappointment for a period not exceeding three years in all. Fellowships are also offered in Political Science and Philosophy. For details, see p. 69.

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## INFORMATION FOR STUDENTS IN MEDICINE

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### Session 1902-1903.

The sixteenth session since the re-establishment of the Medical Faculty of the University of Toronto will commence on Wednesday, 1st October, 1902. The opening lecture will be delivered by Professor J. J. MacKenzie, in the Biological Department at 8.30 p.m.

### Degrees.

The degree of M.B. is given to students who have matriculated and who have completed the prescribed course of study and passed the examinations required. The curriculum for the degree of M.B. will be found on pp. 197-242. The degree of M.D. is conferred on Bachelors of Medicine of at least one year's standing who have presented an approved thesis or who have passed an examination as prescribed on p. 238.

### Entrance.

Candidates for a degree must pass the Junior Matriculation Examination, unless (1) they possess a degree in Arts, not being an Honorary Degree, from any Canadian or British University; or, (2) have already matriculated in the Faculty of Arts or in the Faculty of Law in this University; or, (3) have been registered as matriculates in the College of Physicians and Surgeons of Ontario. Candidates may delay Matriculation until any time before the Second examination for the degree of M.B., but if possible candidates should matriculate before commencing their medical studies. For subjects of examination at Junior Matriculation, Pass and Honour, see p. 81-91.

### Instruction.

The course of instruction given by the Faculty of Medicine prepares students primarily for the degree of M.B., and for

the license of the Ontario College of Physicians and Surgeons, but it fulfils the requirements of other Canadian and British Universities and it aims at giving the student such a training in the sciences as is now exacted of all those who desire to obtain any British medical qualification in addition to a Canadian one.

All the lectures and demonstrations of the First and Second years are given in the Biological, Physiological, Chemical, Physical and Anatomical laboratories and lecture rooms of the University.

Lectures and demonstrations in the subjects of the Third and Fourth years are given in the building of the Medical Faculty, on the corner of Gerrard and Sackville streets, opposite the Toronto General Hospital. More than two-thirds of the instruction in the Third and Fourth years is given in the wards of the hospitals and in the Pathological and Clinical laboratories. The new buildings, in process of erection in the University grounds, will be ready for occupation at the beginning of the Easter term, 1903. Extensive laboratory accommodation will be provided for the Departments of Physiology and Pathology, and the didactic lectures for the Final years will be delivered in the new Lecture Theatres after the date mentioned.

Clinical instruction is given in the Toronto General Hospital, and the Mercer Eye and Ear Infirmary, the Burnside Lying-in Hospital, the Hospital for Sick Children, St. Michael's Hospital and other medical charities of Toronto. The facilities for clinical instruction have been very greatly improved, and the student has the fullest opportunities for making a thorough examination of all the cases of disease which are found in the wards and out-patient rooms of the hospitals. The students are arranged in small classes (of from twelve to fourteen) in order to facilitate this, and to enable the clinical teachers to give as much personal instruction as possible to each student.

The Faculty has in the General Hospital a laboratory for Clinical Pathology and Chemistry, which has been furnished with microscopes and all apparatus required for the examina-

tion of pathological fluids and specimens; and students, when they act as clinical clerks, will be admitted to all the privileges of the laboratory.

In the Department of Anatomy, the arrangements for instruction are now unsurpassed. In addition to other methods of illustrating Anatomy, there will be courses in which the projection microscope will be employed to demonstrate to large classes the relational structure of the different parts of the body as exhibited in frozen sections. In *Materia Medica* also the course of instruction conforms to the most advanced methods.

The Faculty has spared no expense in making the arrangements for medical instruction perfect, and is convinced that these, added to the unrivalled facilities offered by the University laboratories for the study of Chemistry, Physics, Biology, Anatomy, Histology and Physiology, will furnish the fullest opportunities to the student for acquiring a medical education of the most advanced and most progressive character.

Attention is directed to the recent establishment of a Museum of Hygiene.

### Examinations.

In addition to the Matriculation examination, candidates are required to pass four examinations, which must be taken in the following order: the First at the end of the first session; the Second at the end of the second session; the Third at the end of the third session; and the Final at the end of the fourth session.

### New Science Course Adapted for Students Proceeding to the Degree in Medicine.

The special attention of students entering Medicine is directed to the recent enactment of the University Senate instituting a New Curriculum in Science leading to the Degree of Bachelor of Arts. This course is specially adapted for students who intend entering eventually upon Medicine, and embraces the purely Science Subjects which are demanded of students in the primary years of Medicine. This new curriculum

is so arranged that at the completion of the Fourth Year in the Arts Course the student has already fulfilled the requirements of the first two years in Medicine. It will therefore be possible in the future for a candidate who has obtained his Arts Degree in this course to enter immediately the Third year of Medicine, and he will be qualified to present himself for the Degree of Bachelor of Medicine two years after graduating in Arts. In other words, it is possible for one to obtain the Degree of Bachelor of Arts and Bachelor of Medicine after six years study at the University.

The very great advantages of this course to a student entering Medicine are obvious. The preliminary Science Subjects of the Course in Medicine are taught in much greater detail in the Science Course in Arts, as in the latter is included advanced laboratory and experimental work, such as is not required in the purely Medical Course of studies. Further, the student is required to become proficient in modern languages, an acquirement which is of great value to the student of modern scientific Medicine.

This new course not only affords opportunity for wider culture and greater scientific attainment than is possible in the more limited four years' course in Medicine, but it fits one for a much wider field of usefulness after graduation. The graduate who has taken the Science Course in Arts and subsequently that of Medicine is qualified to devote his life to the purely scientific side of Medicine if he should so elect after leaving the University, and, moreover, he is undoubtedly better fitted to practise his profession should he desire to qualify for that alone.

The requirements in the subjects of the General Course, particularly in Modern Languages, are more extensive than in the Department of Natural Science, in which students may—as in the past—so combine the study of Arts and Medical subjects as to complete without difficulty the two courses in seven years.

For details regarding the Science Courses in Arts the student is referred to the University calendar.



### Medical Council Requirements.

A student desirous of obtaining a license to practise medicine in Ontario must pass the **July Matriculation Examination** of the University of Toronto, including the subjects Physics and Chemistry, which entitles him to be registered as a medical student. A Fifth year of study is now demanded by the Ontario Medical Council. To meet this requirement a course of instruction will be arranged; students taking this course will have the opportunity of doing special work in the Hospitals and laboratories, and they will be permitted to attend whatever didactic lectures they may desire.

For all information not covered by this announcement, the intending student should apply to Professor A. Primrose, Biological Department, University of Toronto.

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### The New Medical Building.

With the beginning of the Easter term the completion of the new Medical Building will provide the necessary space for handling properly the increasing classes.

This building, which is to cost \$125,000, will be situated between the University Library and the anatomical wing of the Biological Department.

It is to be three storeys in height in front, with an additional storey and sub-basement in the wings, which extend eastward. Two large lecture rooms are provided which will flank the main building; the larger will have accommodation for about three hundred and fifty students; the smaller for about two hundred students.

In the south wing, in what may be called the basement storey, are situated caretaker's quarters, lavatories, recreation rooms and reading rooms for the students; in the same storey in the north wing is placed a large museum of hygiene.

The three main floors of the building are arranged upon what has been called the unit system, a unit room being thirty feet long by twenty-three feet deep, lighted on its long face by two large windows.

These rooms may be united so as to form large laboratories or may be cut in two where it is necessary to have smaller rooms.

The south wing is to be occupied by the Arts Department of Physiology, whilst the main portion of the building and the north wing will accommodate the final departments of Medicine.

On the ground floor in the main portion are situated in front the Dean's room, a large Faculty room, a lavatory and a library, behind is placed a large pathological museum.

In the north wing on this floor will be placed a chart and preparation room back of the lecture theatre, preparation and store rooms for the pathological museum, and laboratories for gross pathology.

The second and third floors in the same wing and in front will contain the laboratories of pathological histology and bacteriology with rooms for the Professor of Pathology and demonstrators, and unit rooms for small special classes.

In the north wing on the third floor three units will be rented by the Provincial Board of Health for its bacteriological and chemical laboratories.

An interesting feature of the building is the provision which is made for research students by the presence of a series of small rooms in front of the south lecture room, each large enough to accommodate one or two workers.

The ventilation is to be of the most modern type, and each room will be provided with both gas and electric light.

The building in every way is to be thoroughly up to date, and in the extent of window light for the laboratories will probably be unique on this continent.

## INFORMATION FOR STUDENTS IN APPLIED SCIENCE.

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### Degrees.

The degrees conferred are Bachelor of Applied Science (See p. 244.) Civil Engineer (C.E.), Mining Engineer (M.E.), Mechanical Engineer (M.E.), or Electrical Engineer (E.E.). (See p. 245.)

### Entrance.

Students may enter the Regular Course in any Department, either (*a*) by presenting certificates of having passed the Matriculation Examination in any University in His Majesty's Dominions, or in all the subjects of such Matriculation Examination except Greek and Latin, or (*b*) the High School Leaving Examination of the Province of Ontario, or (*c*) by presenting certificates of having had at least one year's experience in some recognized engineering, architectural or manufacturing work or business, and passing an examination in Arithmetic, Algebra, Euclid and English.

### Instruction.

There are five regular Departments of Instruction, in each of which Diplomas are granted, viz.: 1. Civil Engineering (including Sanitary Engineering); 2. Mining Engineering; 3. Mechanical and Electrical Engineering; 4. Architecture; 5. Analytical and Applied Chemistry.

The instruction given in each of these departments is designed to give the student a thorough knowledge of the scientific principles underlying the practice in the several professions, and also such a training as may make him immediately useful when he commences active professional work.

The regular course in each department is of three years' duration, and leads to the Diploma of the School. The

instruction is given partly in the lecture-rooms and partly in the drafting-rooms, laboratories and field. A certain amount of the work is laid out for the summer vacation. The course of study in each department is general, and beyond the selections of his department the student has no opportunity to specialize.

### **The Degree of B.A.Sc.**

After the general course is finished the diploma of the school is granted and the student is at liberty either to enter the active life of his profession or to spend another year in special work. This year is called the fourth or post-graduate year. Graduates electing to proceed with their studies are allowed to select two subjects from an approved list, and are required to confine their whole attention to these subjects during the fourth year. The subjects on this list are such as require a large amount of time to be devoted to laboratory and other practical work. The advanced theoretical instruction is given either at the beginning or end of the working-day, in order not to break in upon the time allotted to practical work. During this year the student is required to prepare a thesis on some subject connected with his work. The practical examinations are held by the School, while the written examinations and the examination of these theses are held by the University. After complying with all requirements, the candidate receives from the University the Degree of Bachelor of Applied Science (B.A.Sc.).

### **Professional Degrees.**

Bachelors of Applied Science may, after three years spent in professional work, present themselves for the degrees of Civil Engineer (C.E.), Mining Engineer (M.E.), Mechanical Engineer (M.E.), or Electrical Engineer (E.E.), as the case may be, subject to the rules and regulations established by the University.



## FACULTY OF ARTS.

### Regulations Relating to Students.

1. The regular students include undergraduates of the University, and matriculants, *i.e.*, students who, though they have not passed the prescribed matriculation examination, are taking the full undergraduate course.

2. No student will be enrolled in any year, or be allowed to continue in attendance, whose presence for any cause is deemed by the Council to be prejudicial to the interests of the University.

3. Matriculated students are required to attend the courses of instruction and examinations in all subjects prescribed for students of their respective standing, and no student will be permitted to remain in the University who persistently neglects academic work.

4. All interference on the part of any student with the personal liberty of another, by arresting him, or summoning him to appear before any tribunal of students, or otherwise subjecting him to any indignity or personal violence, is forbidden by the Council. Any student convicted of participation in such proceedings will render himself liable to expulsion from the University.

5. A student who is under suspension, or who has been expelled from a College or the University, will not be admitted to the University buildings or grounds.

6. The constitution of every University society or association of students and all amendments to any such constitution must be submitted for approval to the University Council. All programmes of such societies or associations must, before publication, receive the sanction of the Council. Permission to invite any person not a member of the Faculty of the University to preside at or address a meeting of any society or association must be similarly obtained. Societies and associations are required to confine themselves to the objects laid down in their constitution.

7. The name of the University is not to be used in connection with a publication of any kind without the permission of the University Council.

8. Occasional students may be admitted to lectures on application to the President.

9. Certificates of attendance on lectures in any department during an academic year may be given to occasional students who have been regular in their attendance, and who have also passed the examinations in such department,

## FEES.

N.B.—All fees, with the exception of those for Matriculation, are payable to the Bursar, at his office in the main University building, between the hours of ten and one o'clock, except on Saturday.

The following fees are payable:—

### I. UNIVERSITY FEES.

#### General.

|  |         |
|--|---------|
| For Junior Matriculation .....   | \$ 5 00 |
| For Senior Matriculation .....   | 15 00   |
| For Certificate of Matriculation Standing.....                                 | 5 00    |
| For each Supplemental Examination .....  | 10 00   |
| For the January Supplemental Examination .....                                 | 15 00   |
| For each Examination after Matriculation.....                                  | 14 00   |
| For change of Faculty .....  | 5 00    |
| For admission <i>ad eundem statum</i> .....                                    | 10 00   |
| For the Degree of B.A.....   | 10 00   |
| For the Degree of M.A. (examination, \$10; degree, \$10)                       | 20 00   |
| For admission <i>ad eundem gradum</i> (B.A. or M.A)....                        | 20 00   |
| For registration for Ph.D. course.....   | 25 00   |
| For the Degree of Ph.D.....  | 50 00   |
| For dispensation from attendance at lectures in a feder-<br>ated College ..... | 5 00    |
| For Certificates of Honour, each.....  | 1 00    |
| For Library fee (annually).....  | 2 00    |

The fee for each examination after Matriculation shall be \$14, this regulation to include Supplemental examinations in cases where the full examination is taken, and does not arise in consequence of rejection at a previous examination.

The fee for a partial Supplemental examination and for a full Supplemental examination, which does arise in consequence of rejection at a previous examination, shall be \$10.

Matriculated undergraduates who are registered students of University College, or of any federated University, may attend lectures of University professors and lecturers in the Faculty of Arts without payment of fees, except those imposed for laboratory work; but such students must enter their names with the Registrar of the University.

#### Laboratory Fees.

“A course in laboratory work” means the continuous course of instruction in laboratory or practical work offered to the student in any one

year in any of the undermentioned subjects, namely, Physics, Chemistry, Mineralogy and Geology, Psychology, Biology (including Physiology, Zoology, Botany and Histology), and any other separate subject in which laboratory work is or may be prescribed.

“A partial course of laboratory work” means a special course, or any sub-division, complete in itself, of a course of laboratory work as above defined.

“A matriculated student in Arts” means a student who is matriculated in the University of Toronto, and enrolled in University College or a federated University, and whose name is entered with the Registrar of the University of Toronto.

“An occasional student” includes every student in whose case the Senate of the University of Toronto is by law authorized to determine fees for courses of lectures in the University of Toronto.

Laboratory fees shall be divided into, (a) Fees for practical instruction in the laboratory, (b) Charges for supplies.

The annual practical instruction fee for an occasional student attending a course, or partial course, of laboratory work shall be based on the lecture fee prescribed for occasional students by the Senate, namely:—

|  |        |
|--|--------|
| For each course of not more than 15 hours..... | \$2 00 |
| For each course between 15 and 30 hours.....   | 3 00   |
| For each course between 30 and 50 hours.....   | 5 00   |
| For each course between 50 and 80 hours.....   | 7 00   |
| For each course more than 80 hours.....        | 8 00   |

### Practical Instruction Fees.

The annual practical instruction fee for an occasional student attending a course, or partial course, of laboratory work, shall be ascertained by adding for the purpose of calculation, to the number of lecture hours in the same course, or partial course, the number of hours of laboratory work therein; and by rating the aggregate lecture and laboratory fee for that course combined accordingly, as for example:—

Assuming the course of lectures to comprise fifteen hours, and the course of laboratory work to comprise fifteen hours, making thirty in all, the total fee for the course of lectures and laboratory work combined shall be that prescribed above for thirty lecture hours, namely, \$3.

### Charges for Laboratory Supplies.

Charges for supplies shall include laboratory materials and instruments used by or for the student, and ordinary wear and tear of instruments; but not charges for waste, neglect and breakage, which are to be met out of a deposit to be fixed by the Professor.

The annual supply charges for a matriculated student in Arts shall be according to the following table:

|   | CHEMISTRY. | MINERALOGY<br>AND GEOLOGY. | BIOLOGY. | PHYSICS. | PSYCHOLOGY. | TOTALS. |
|---|------------|----------------------------|----------|----------|-------------|---------|
|   | \$ c.      | \$ c.                      | \$ c.    | \$ c.    | \$ c.       | \$ c.   |
| <b>FIRST YEAR AND DEPARTMENT.</b>       |            |                            |          |          |             |         |
| Natural Sciences.....                   | .....      | .....                      | 2 00     | 1 00     | .....       | 3 00    |
| Chemistry and Mineralogy .....          | 2 00       | .....                      | .....    | .....    | .....       | 2 00    |
| Physics and Chemistry .....             | 2 00       | .....                      | .....    | 1 00     | .....       | 3 00    |
| <b>SECOND YEAR AND DEPARTMENT.</b>      |            |                            |          |          |             |         |
| Chemistry and Mineralogy .....          | 3 00       | 1 00                       | .....    | 1 00     | .....       | 5 00    |
| Physics and Chemistry .....             | 3 00       | .....                      | .....    | 1 00     | .....       | 4 00    |
| Natural Sciences .....                  | 2 00       | 1 00                       | 5 00     | 1 00     | .....       | 9 00    |
| Mathematics and Physics .....           | 2 00       | .....                      | .....    | .....    | .....       | 2 00    |
| <b>THIRD YEAR AND DEPARTMENT.</b>       |            |                            |          |          |             |         |
| †Chemistry and Mineralogy .....         | 10 00      | 2 00                       | .....    | 2 00     | .....       | 14 00   |
| Natural Sciences, Div. I.—Biology ..... | 2 00       | .....                      | 10 00    | .....    | .....       | 12 00   |
| “ “ Div. II.—Geology .....              | 2 00       | 2 00                       | 10 00    | .....    | .....       | 14 00   |
| Physics .....                           | .....      | .....                      | .....    | 8 00     | .....       | 8 00    |
| †Physics and Chemistry .....            | 7 00       | .....                      | .....    | 7 00     | .....       | 14 00   |
| Psychology .....                        | .....      | .....                      | .....    | .....    | 2 00        | 2 00    |
| <b>FOURTH YEAR AND DEPARTMENT.</b>      |            |                            |          |          |             |         |
| †Chemistry and Mineralogy .....         | 10 00      | 4 00                       | .....    | .....    | .....       | 14 00   |
| Natural Sciences, Div. I.—Biology ..... | .....      | 20 00                      | .....    | .....    | 2 00        | 22 00   |
| “ “ Div. II.—Geology .....              | .....      | 10 00                      | .....    | .....    | .....       | 10 00   |
| Physics .....                           | .....      | .....                      | .....    | 10 00    | .....       | 10 00   |
| †Physics and Chemistry .....            | 7 00       | .....                      | .....    | 7 00     | .....       | 14 00   |
| Psychology .....                        | .....      | .....                      | .....    | .....    | 3 00        | 3 00    |

† Students in these Departments, who take Biology in order to qualify as Specialists in Science, are required to pay the Laboratory fee in Biology of the first and second years in lieu of the Laboratory fee in Mineralogy and Geology of the third and fourth years respectively.



The annual supply charges for an occasional student shall be according to the following table:—

*A. Partial Course 1.*

Being that prescribed for students in the School of Practical Science in Civil Engineering:—

|                            |        |
|----------------------------|--------|
| Second Year, Physics ..... | \$1 50 |
| Third Year, Physics .....  | 1 00   |

*B. Partial Course 2.*

Being that prescribed for students in the School of Practical Science in Architecture:—

|                            |        |
|----------------------------|--------|
| Second Year, Physics ..... | \$1 00 |
| Third Year, Physics .....  | 2 00   |

*C. Partial Course 3.*

Being that prescribed for students in the School of Practical Science in Mechanical and Electrical Engineering:—

|                            |        |
|----------------------------|--------|
| First Year, Physics .....  | \$1 00 |
| Second Year, Physics ..... | 1 50   |
| Third Year, Physics .....  | 3 00   |

*D. Partial Course 4.*

Being that prescribed for matriculated students in Medicine:—

|                   | Chemistry. | Biology. |
|-------------------|------------|----------|
| First Year .....  | \$3 00     | \$1 50   |
| Second Year ..... | 3 00       | 2 75     |

The payment of fees shall not entitle any occasional student to be admitted to the laboratory work of a later year without having taken that of the earlier year or years, unless this requisite is dispensed with by the Senate on the recommendation of the Professor.

## Fees for Occasional Students in Arts, and Library Fees.

1. "A course of lectures" means the continuous course of instruction, excepting laboratory work, offered in the University Faculty to students in Arts in any one year in any of the undermentioned subjects, namely: History, Italian and Spanish, Phonetics, History of Philosophy, Logic, Metaphysics and Psychology, Political Science (including Political Economy, Jurisprudence and Constitutional Law), Mathematics, Physics, Chemistry, Mineralogy and Geology, Biology (including Physiology, Zoology, Botany and Histology), and any other separate subject in which instruction is or may be given by the teaching Faculty in the University of Toronto.

"A partial course of lectures" means any special course or any subdivision, complete in itself, of a course of lectures as above defined.

“A matriculated student in Arts” means a student in Arts who is matriculated in the University of Toronto and enrolled in University College or a Federated University, and whose name is entered with the Registrar of the University of Toronto.

“An occasional student” includes every student in whose case the Senate is by law authorized to determine fees for courses of lectures in the University of Toronto.

2. The annual fee for an occasional student attending a course, or partical course, of lectures shall be as follows:—

|  |        |
|--|--------|
| For each course of not more than 15 hours..... | \$2 00 |
| For each course between 15 and 30 hours.....   | 3 00   |
| For each course between 30 and 50 hours.....   | 5 00   |
| For each course between 50 and 80 hours.....   | 7 00   |
| For each course more than 80 hours.....        | 8 00   |

3. Every matriculated or non-matriculated student proceeding to a degree in Arts shall pay, at the time of the entry of his name with the Registrar, an annual library fee of \$2.

4. No occasional or other student of any class shall be admitted to the library, save upon the payment of an annual fee of \$2.

N.B.—All the above fees are payable in advance, and in the case of fees for lectures, if not paid during the month of October (or in the case of students attending in Easter term only, during the month of January), an additional fee of one dollar per month will be imposed until the whole amount is paid.

The fee for each examination must be paid at the time of application.

The fee for admission *ad eundem statum*, for change of faculty, for admission to a higher year on the certificate of the head of a federated college, for dispensation from attendance at lectures, or for certificates of honour, must be paid at the time of application.

## II. COLLEGE FEES.

Graduates in Arts, who during their undergraduate course were enrolled either in University College or in Victoria University, may attend lectures free in the College or University in which they were so enrolled.

For regular students in Arts, “a course of lectures” means a continuous course of instruction offered to matriculated students in Arts in any one year in any subject.

“A partial course of lectures” means any special course or any subdivision, complete in itself, of a course of lectures as above defined.

“A matriculated student in Arts” means a student who is matriculated in the University, and enrolled in University College or Victoria University, and whose name is entered with the Registrar of the University.

"An occasional student" includes every student, not being a matriculated student under the above definition, in whose case the Board of Trustees is by law authorized to determine fees for courses of lectures.

Every matriculated student in Arts shall, on each year's enrolment in University College or Victoria University, pay an enrolment fee according to the following table; which fee shall include all instruction for which fees are by law chargeable, except laboratory supply charges and library fees:—

### Table of Fees.

|  |         |
|--|---------|
| First Year—Any course or department.....         | \$36 00 |
| Second Year—Any course or department.....        | 36 00   |
| Third Year—Chemistry and Mineralogy.....         | 31 00   |
| Natural Science or Physics and Chemistry         | 31 00   |
| Any other course or department.....              | 36 00   |
| Fourth Year—Physics and Chemistry, Chemistry and |         |
| Mineralogy, or Physics' .....                    | 31 00   |
| Biology .....                                    | 26 00   |
| Any other course or department.....              | 36 00   |

The annual enrolment fee of a matriculated student in Arts taking, under the regulations, more than one honour course, shall be \$36 only.

The enrolment fee of a matriculated student in Arts attending lectures for one term, or part of a term, shall be \$18.

The enrolment fee for students receiving dispensation from attendance at lectures in University College or Victoria University shall be \$5 for each term, in addition to the University fee of \$5. The payment of these fees entitles the student to supervision of "term work" prescribed in connection with his course.

The annual fee for an occasional student attending a course, or partial course, of lectures in University College or Victoria University shall be similar to the lecture fee prescribed by the Senate statute for occasional students, namely:—

|  |        |
|--|--------|
| For each course of not more than 15 hours..... | \$2 00 |
| For each course between 15 and 30 hours.....   | 3 00   |
| For each course between 30 and 50 hours.....   | 5 00   |
| For each course between 50 and 80 hours.....   | 7 00   |
| For each course more than 80 hours.....        | 8 00   |

The annual enrolment fee of an occasional student attending all the courses of lectures in any year shall be \$36.

|                                     |        |
|-------------------------------------|--------|
| For each Certificate of Honour..... | \$1 00 |
|-------------------------------------|--------|

N.B.—All the above fees are payable in advance, and if not paid during the month of October (or in the case of students attending in Easter term only, during the month of January), an additional fee of \$1 per month will be imposed until the whole amount is paid.

# SCHOLARSHIPS, PRIZES AND MEDALS.

## I. University.

### A. Matriculation Scholarships.

The scholarships hereinafter mentioned, with the exception of the Prince of Wales Scholarship and the Mary Mulock Scholarships, are provided from the endowment fund presented by the Honorable Edward Blake, ex-Chancellor of the University, and are known as the Edward Blake Matriculation Scholarships.

#### I.

There are, including the Prince of Wales Scholarship, nine Junior Matriculation scholarships for general proficiency in the four departments of Classics, Mathematics, Modern Languages and Science, and the sub-department of History.

These scholarships are of the following values:—

|      | SOURCE OF MONEY.            |          | FREE TUITION. |          | TOTAL<br>VALUE. |
|------|-----------------------------|----------|---------------|----------|-----------------|
| (1)  | { The Prince of Wales.....  | \$ 50 00 | .....         | .....    | \$ 50 00        |
|      | { (Name, Prince of Wales.)  |          |               |          |                 |
| (1a) | The Hon. Edward Blake ..... | 60 00    | Four Years    | \$144 00 | 204 00          |
|      | (Name, Edward Blake.)       |          |               |          |                 |
|      |                             |          |               |          | \$254 00        |
| (2)  | The Hon. J. M. Gibson ..... | 100 00   | Three Years   | 108 00   | 108 00          |
|      | (Name, Gibson.)             |          |               |          |                 |
| (3)  | The Hon. Edward Blake ..... | 42 50    | Four Years    | 144 00   | 186 50          |
|      | (Name, Edward Blake.)       |          |               |          |                 |
| (4)  | " " "                       | 25 00    | "             | 144 00   | 169 00          |
| (5)  | " " "                       | 22 50    | "             | 144 00   | 166 50          |
| (6)  | " " "                       | 20 00    | Three Years   | 108 00   | 128 00          |
| (7)  | " " "                       | 17 50    | "             | 108 00   | 125 50          |
| (8)  | " " "                       | 15 00    | "             | 108 00   | 123 00          |
| (9)  | { " " "                     | 25 00    | .....         |          | 25 00           |
|      | { (Name, West Durham.)      |          |               |          |                 |

Candidates for these scholarships must obtain first-class honours in at least one department.

The scholarship (1a) shall be held together with the Prince of Wales Scholarship.

The scholar to whom this scholarship (2) is awarded is required to register in University College throughout his course in Arts.



The scholarship (9) is preferentially tenable by a scholar from the Bowmanville High School.

## II.

There are twelve Junior Matriculation scholarships for proficiency in two departments, of the following values:—

|  |     | SOURCE OF MONEY.  |         | FREE TUITION. |          | TOTAL<br>VALUE. |
|--|-----|---|---------|---------------|----------|-----------------|
| CLASSICS AND MATH-<br>EMATICS, two . . . | (1) | The Hon. Ed-<br>ward Blake.<br>(Name, Ed-<br>ward Blake.) | \$60 00 | Four Years    | \$144 00 | \$204 00        |
|  | (2) |   | 20 00   | Three Years   | 108 00   | 128 00          |
| CLASSICS AND<br>MODERNS, four . .        | (1) | “   | 60 00   | Four Years    | 144 00   | 204 00          |
|  | (2) |   | 42 50   | “             | 144 00   | 186 50          |
|  | (3) |   | 20 00   | Three Years   | 108 00   | 128 00          |
| MATHEMATICS AND<br>MODERNS, two . .      | (4) | “   | 17 50   | “             | 108 00   | 125 50          |
|  | (1) |   | 60 00   | Four Years    | 144 00   | 204 00          |
| MATHEMATICS AND<br>SCIENCE, two . . .    | (2) | “   | 20 00   | Three Years   | 108 00   | 128 00          |
|  | (1) |   | 60 00   | Four Years    | 144 00   | 204 00          |
| MODERNS AND<br>SCIENCE, two . . .        | (2) | “   | 20 00   | Three Years   | 108 00   | 128 00          |
|  | (1) |   | 60 00   | Four Years    | 144 00   | 204 00          |
|  | (2) | “   | 20 00   | Three Years   | 108 00   | 128 00          |

Candidates for these scholarships must obtain at least first-class honours in one of the specified departments and second-class in the other of them.

## III.

There are eight Junior Matriculation scholarships for proficiency in one department, of the following values:—

|                     |     | SOURCE OF MONEY.  |   | FREE TUITION. |            | TOTAL<br>VALUE. |
|---------------------|-----|---|---|---------------|------------|-----------------|
| CLASSICS, two . . . | (1) | { Mary Mulock.<br>(Name, Mary<br>Mulock.)                   | \$60 00                                   | Three Years   | \$108 00   | \$168 00        |
|                     | (2) |   | { Mary Mulock.<br>(Name, Mary<br>Mulock.) | 60 00         | Two Years. | 72 00           |
| MATHEMATICS, two    | (1) | { The Hon. Ed-<br>ward Blake.<br>(Name, Ed-<br>ward Blake.) | 60 00                                     | Three Years   | 108 00     | 168 00          |
|                     | (2) |   | {   | 15 00         | "          | 108 00          |
| MODERNS, two . . .  | (1) | { ward Blake.)  | 60 00                                     | "             | 108 00     | 168 00          |
|                     | (2) |   | { " "                                     | 15 00         | "          | 108 00          |
| SCIENCE, two . . .  | (1) | { " "   | 60 00                                     | "             | 108 00     | 168 00          |
|                     | (2) |   | { " "                                     | 15 00         | "          | 108 00          |

Candidates for these scholarships must obtain first-class honours in their department.

GENERAL REGULATIONS.

The marks for all classes of Scholarships shall be assigned in the following proportions:—

|                        |                                   |     |      |
|------------------------|-----------------------------------|-----|------|
| CLASSICS .....         | { Latin .....                     | 600 | 1200 |
|                        | { Greek .....                     | 600 |      |
| MATHEMATICS .....      |                                   |     | 1200 |
| MODERN LANGUAGES ..... | { English .....                   | 400 | 1200 |
|                        | { French .....                    | 400 |      |
|                        | { German .....                    | 400 |      |
| SCIENCE .....          | { Chemistry .....                 | 400 | 1200 |
|                        | { Physics .....                   | 400 |      |
|                        | { Biology (Botany, Zoology) ..... | 400 |      |
| HISTORY .....          |                                   |     | 200  |

The marks obtained at the examination for Part I. shall not be taken into account in awarding any of the scholarships. The marks assigned to each of the subjects in the General course shall be as follows:—Latin, 200; Greek, 200; Mathematics, 400; English, 250; French, 125; German, 125; Chemistry, 75; History, 75.

All candidates for scholarships in one or more departments shall at the same examination pass in the other subjects prescribed for Part II., of the Junior Matriculation. The subjects of Part I., in which they are also required to pass, may be taken at the same or a previous examination.

A candidate who has been awarded a scholarship at a Junior Matriculation examination shall not be eligible for a scholarship at a subsequent Matriculation examination.

Saving the exception as to the Prince of Wales Scholarship, no one shall be entitled to hold more than one scholarship; but anyone who would, but for this provision, have been entitled to a second scholarship shall be published in the lists and receive a certificate of honour.

Every candidate for a Junior Matriculation scholarship in the University of Toronto, shall, on application for examination, sign a declaration to the effect that he intends to proceed to a degree in Arts in the University of Toronto.

No scholarship shall be awarded save on condition that the candidate becomes a matriculated student in actual attendance in the University of Toronto.

Free tuition awarded shall be available on the following conditions:—For the first year on the award of the scholarship; for any year after the first on proof that the claimant has passed his examination for the preceding year with first-class honours in at least one department.

In the case of candidates who obtained scholarships prior to 1896, free tuition shall be accorded on a second-class standing.

In case in any year any scholarship be not taken, it shall be allowable to award such scholarship, or some part thereof, to a candidate who has shown special excellence in the examination in some other group, and has taken scholarship rank therein, but has failed to win a scholarship therein.

In case in any year any scholarship be not awarded, the money undisposed of shall be divided among the scholarships for the succeeding year.

The Board of Art Studies may from time to time make and amend any regulations requisite to carry out the plan: such regulations shall be laid before the Senate at its next meeting, and may be from time to time amended by the Senate or referred back to the committee for consideration.

#### RESOLUTION PASSED BY THE JOINT BOARD, DECEMBER 28, 1895.

That examinations for University Scholarships be held at any centre where there is an examination for Matriculation, provided any additional necessary expenditure be met by the locality; and that the appointment of presiding examiners receives the approval of the Joint Board.

### B. Undergraduate Scholarships.

The following scholarships have been founded and endowed in the University, and are open for competition to all undergraduates in Arts, who are candidates for Honours in the departments and years to which they are assigned:—

#### POLITICAL SCIENCE.

THE BANKERS' Scholarship, of the value of \$70, the gift of the Bank of Toronto, the Canadian Bank of Commerce, the Dominion, Imperial, Standard and Traders' Banks, and the Union Bank of Lower Canada. Only such candidates are eligible as may have passed the examination of the First year and as may undertake to proceed to graduation in the Department of Political Science. A special examination on some special text-book of history or finance will be held at the time of the Supplemental examinations in September. This scholarship is not tenable with any other.

The text-book for September, 1902, is Bücher's Industrial Evolution. Trans., S. M. Wickett.

THE ALEXANDER MACKENZIE Scholarships, two of the value of \$75 each, and two of the value of \$50 each, the gift of friends of the late Hon. Alexander Mackenzie.

#### PHILOSOPHY.

THE JOHN MACDONALD Scholarship, of the value of \$50, the gift of the late Hon. John Macdonald.

MATHEMATICS AND PHYSICS.

THE WILLIAM MULOCK Scholarship, of the value of \$60, the gift of William Mulock, M.A., LL.D.

THE ALEXANDER T. FULTON Scholarship, of the value of \$60, the gift of the late Alexander T. Fulton.

A scholarship of the value of \$75, the gift of the Local Committee for the Toronto meeting of the American Association for the Advancement of Science. In awarding this scholarship, the theoretical and practical work in the department will be estimated in the proportion of three to one.

NATURAL SCIENCE.

THE EDWARD BLAKE Scholarship, of the value of \$60, the gift of the Hon. Edward Blake.

THE ALEXANDER T. FULTON Scholarship, of the value of \$60, the gift of the late Alexander T. Fulton.

THE DANIEL WILSON Scholarships, of the value of \$30 each, the gift of a friend. In case either of these scholarships is not awarded, the value of both scholarships shall be awarded to the scholar in the other department or division.

CHEMISTRY AND MINERALOGY, AND CHEMISTRY AND PHYSICS.

THE EDWARD BLAKE Scholarships, two of the value of \$60 each, in Chemistry and Mineralogy, and Chemistry and Physics, respectively, the gift of the Hon. Edward Blake.

THE ALEXANDER T. FULTON Scholarships, of the value of \$30 each, in Chemistry and Mineralogy and Physics and Chemistry, the gift of the late Alexander T. Fulton. In case either of these scholarships is not awarded, the value of both scholarships shall be awarded to the scholar in the other department or division.

THE DANIEL WILSON Scholarship, of the value of \$60, in Chemistry and Mineralogy, the gift of a friend.

A scholarship of the value of \$70, the gift of the Local Committee for the Toronto meeting of the American Association for the Advancement of Science.

The years and Honour departments to which the above-named scholarships have been assigned are as follows:—

FIRST YEAR.

|   |      |
|---|------|
| Political Science, The Bankers' Scholarship.....                | \$70 |
| Mathematics and Physics, The Alexander T. Fulton Scholarship..  | 60   |
| Natural Science, The Alexander T. Fulton Scholarship.....       | 60   |
| Chemistry and Mineralogy, The Alexander T. Fulton Scholarship.. | 30   |
| Physics and Chemistry, The Alexander T. Fulton Scholarship....  | 30   |



## SECOND YEAR.

|  |      |
|--|------|
| Political Science, The Alexander Mackenzie Scholarship.....  | \$75 |
| Political Science, The Alexander Mackenzie Scholarship.....  | 50   |
| Philosophy, The John Macdonald Scholarship.....              | 50   |
| Mathematics and Physics, The William Mulock Scholarship..... | 60   |
| Natural Science, The Edward Blake Scholarship.....           | 60   |
| Chemistry and Mineralogy, The Edward Blake Scholarship.....  | 60   |
| Chemistry and Physics, The Edward Blake Scholarship.....     | 60   |

## THIRD YEAR.

|   |      |
|---|------|
| Political Science, The Alexander Mackenzie Scholarship.....       | \$75 |
| Political Science, The Alexander Mackenzie Scholarship.....       | 50   |
| Mathematics and Physics, The Loc. Com. of A. A. A. S. Scholarship | 75   |
| Natural Science, Div. I., The Daniel Wilson Scholarship.....      | 30   |
| Natural Science, Div. II., The Daniel Wilson Scholarship.....     | 30   |
| Chemistry and Mineralogy, The Daniel Wilson Scholarship.....      | 60   |
| Chemistry and Physics, The Loc. Com. of A. A. A. S. Scholarship   | 70   |

No candidate shall be permitted to hold more than one scholarship; but any one who would, but for this provision, have been entitled to a second scholarship, shall have his name published in the lists.

All undergraduate scholars must sign a declaration of intention to proceed to a Degree in this University, and must attend lectures in University College or Victoria University for the academic year immediately following such examination. The Senate, however, may, upon satisfactory reasons being shown, permit such scholar to postpone attendance upon lectures for a year. If at the end of the year a further postponement is necessary, special application must be made to the Senate. In every such case the payment of the scholarship shall likewise be postponed. The scholarships are paid in three instalments—on the fifteenth November, the fifteenth January and the fifteenth March; and each scholar is required to send to the Registrar a certificate of attendance upon lectures at least three days before the date of each payment.

No scholarship will be awarded to any candidate who has been placed lower than the First Class in the department to which the scholarship is attached.

## C. Prizes in Books.

Four prizes in books, the gift of the Minister of Foreign Affairs for the Kingdom of Italy, are offered for competition among the students of Italian of the First, Second, Third and Fourth years, respectively. These prizes are awarded by the University Council.

The Mineralogy and Geology prizes, the gifts of Professor Chapman, are open for competition among students of these subjects in the Second and Third years, and are awarded by the Senate of the University. The value of the Second year prize is \$5, and of the Third year prize is \$10.

## D. Medals.

THE GOVERNOR-GENERAL'S Medals, the gift of His Excellency the Earl of Minto, are awarded by the Senate of the University under the following conditions:—

1. The Gold Medal shall be awarded to that candidate in the final examination for the B.A. degree who, taking not less than 66 per cent. in English (as defined below), and not less than 75 per cent. in some one of the following Honour departments:—(a) Classics, (o) Philosophy, (c) (d) Mathematics or Physics, (e) (f) Natural Science (either division), shall also take the best aggregate mark in the two subjects.

2. English shall be understood to mean only the papers (at present four in number), on later English literature (from the end of the 15th century).

3. In order to obviate any unfairness arising from a different system of marking in different departments, the principle shall be always adopted of raising the marks of the best candidate in the first class of each department to the maximum, and those of the others in proportion, unless the examiners of any department report that the marks of the best candidate in their department are not of sufficient merit to be so raised.

4. The Registrar shall publish not only the name of the successful candidate, but also the names of all candidates who, by satisfying the above conditions, are eligible for the award.

5. The Silver Medal shall be awarded to that candidate in the Second year of the General course who, taking not less than 75 per cent. in this examination, takes also the highest aggregate of marks when the result of the First and Second year examinations in this course are added together, such examinations having been taken in two consecutive calendar years.

6. The discretion of the examiners (paragraph three above), as in the examination for the Gold Medal, shall apply also to this examination.

## NATURAL SCIENCE.

The Cawthorne Medal, the gift of F. T. Shutt, M.A., awarded on the recommendation of the Natural Science Association.

## MATHEMATICS.

The Glashan Gold Medal, the gift of J. C. Glashan, Esq., awarded by the University Council to the University College candidate of the Fourth year who stands highest in First Class Honours.

## PHYSICS.

The Ottawa Gold Medal, awarded by the University Council to the University College candidate of the Fourth year who stands highest in First Class Honours.

This Medal is the gift of the following Alumni, residents of Ottawa: Otto Klotz, Esq., J. C. Glashan, LL.D., J. L. McDougall, M.A., C.M.G., W. Fitzgerald, M.A., Frederick Hayter, B.A., W. D. LeSueur, B.A., A. H. McDougall, B.A.

#### THE COMMERCIAL COURSE.

The P. W. Ellis Bronze Medal, awarded by the University Council to the student of the Second year who stands highest in this course.

#### POLITICAL SCIENCE.

The P. W. Ellis Silver Medal, awarded by the University Council on the recommendation of the Political Science Club to the student in the Commercial Course or Department of Political Science, for the best essay undertaken as summer research work.

The P. W. Ellis Gold Medal, awarded by the University Council to the student in the Fourth year in the Department of Political Science who stands first in First Class Honours.

### E. Graduate Scholarships.

THE RAMSAY Scholarship in Political Economy, of the value of \$60, the gift of Mr. William Ramsay. This Scholarship is open for competition to all graduates or undergraduates who have been placed in the First Class in one of the Economic subjects of the Fourth year in the Honour department of Political Science (Third year in the Faculty of Law); but not more than two years must have elapsed since the competitor passed the examination above specified. The award is made upon an essay, the subject of which must be some question in Economics or Finance of interest to the commercial community in Canada, to be announced in May of each year, and the competition closes the 15th of September thereafter, by which date the essays must be sent to the Registrar.

The subject for 1902 is the Municipal History of any Town or City in Canada, the municipality to be selected by the competitor.

The following outlines are given by way of suggestion: (1) Sketch of city's or town's development. (2) Administrative organization of the municipality and relation to Province. (3) The administrative work. (4) Its financial history, including its financial relations to the Province. (5) Conclusions.

The subject for 1903 will be The History of Provincial Revenues since Confederation.

The following outlines are given by way of suggestion: (1) Division of Revenues at Confederation. (2) Growth of Provincial Revenues since 1867 and the Sources (Public Domain, Licenses, Fees and Taxes). (3) Conclusions. Appendix—Latest Provincial Budgets collaborated. Candidates are advised to deal with the subject year by year, beginning with the latest reports and working back to the date of Confederation.

The subject for 1904 is the Economic History of Canada from Confederation to 1886. This period covers the years down to the opening of the Canadian West, from which time the modern industrial history of Canada may be said to date. Candidates may, at their option, select special subjects for investigation, *e.g.*, manufacture and foreign trade, banking, labor conditions and organizations, or the history of any particular industry, such as lumbering, the fisheries, transportation, etc.

Authorities must be carefully stated in every case.

THE 1851 EXHIBITION Science Scholarship of the value of £150 sterling, given by the Commissioners for the International Exhibition of 1851, is awarded once in two years by the University Council for research in some branch of Physics or Chemistry. Subject to a satisfactory report as to progress in study, it is ordinarily tenable for two years at home or abroad.

### F. Graduate Fellowships.

THE GEORGE PAXTON YOUNG Memorial Fellowship in Philosophy, of the value of \$300, will be awarded in June, 1903, by the University Council. The holder must be a Bachelor of Arts who has taken an Honour course in Philosophy. This Scholarship is tenable for one year, and the holder must devote his whole time to the study of some topic falling under the general term Philosophy. He may pursue his studies either in the University of Toronto, or in some other University approved by the University Council; but in either case he shall furnish to the University Council such evidence as may from time to time be required, that he is faithfully observing the conditions under which the scholarship was awarded. Applications must be in the hands of the Registrar on or before June 15th, 1903. Further particulars may be obtained from the Registrar.

THE ALEXANDER MACKENZIE Fellowships in Political Science, two of the value of \$375 each, the gift of the friends of the late Hon. Alexander Mackenzie. These fellowships are awarded annually by the University Council to graduates of the University of Toronto, and they are tenable for one year, but the Council may, at its discretion, award them for a second term. The holder of a Mackenzie Fellowship shall devote his time to the prosecution of special studies at the University of Toronto under the direction of the head of the department in which the fellowship is awarded. The sum of \$125 shall be paid to the holder of the Fellowship on the 15th October; a further sum of \$125 on the 15th January, provided that the progress of his studies is satisfactory to the Council at that date; and a final instalment of \$125 on the 15th April, or as soon thereafter as his thesis shall be accepted by the Council. During his tenure of the Fellowship he shall not be permitted to pursue a professional or technical course of study, nor shall he engage in remunerative employment except by permission of the Council. He shall further conform to such other regulations as the Council may deem



necessary for carrying out the object of special research for which these Fellowships are designed. Any violation of the conditions under which the appointment is made shall operate to vacate the Fellowship.

### G. The Flavelle Travelling Fellowship.

Through the liberality of J. W. Flavelle, Esq., of Toronto, the University Council is enabled to offer for competition in 1901 and 1903 a Travelling Fellowship, of the value of \$750 per annum, tenable for two years in the Modern History School of the University of Oxford, and awarded as follows:—In 1901 in the Department of Classics, in 1903 in the Department of English and History.

The object of the Fellowship has been stated by the donor to be, “in the first instance, to contribute something towards preparing and retaining in the country, if possible, a class of strong men, who may eventually find their way into public life, or at least be with us as the development of higher education in the Dominion requires their services: in the second instance, to encourage the study of history, ancient and modern.”

The following paragraphs are extracts from the regulations governing the award:—

- (1) The fellowship shall be open to men who have obtained first class honours in Classics, or “English and History,” as the case may be, in at least the Third and Fourth years, but preferably during the whole of their course. Among the men thus qualified the fellowship shall be awarded to the man who stands first in ancient or modern history, as the case may be, as shown by his examinations. But the Board of Appointment (provided below) may by a vote, containing not more than one dissenting voice, pass over the candidate whose marks are highest in favor of one who, in their judgment, better meets the wishes of the donor as expressed in the words of the preamble “in the first instance . . . . . their services.”
- (2) The fellowship shall be awarded in the month of June, and there shall be eligible for it members both of the class then graduating and of the class which graduated in the previous year, subject to the provisions of clause (1).
- (3) The fellowship shall be tenable only in the University of Oxford.
- (4) It shall be open to men only.
- (5) The fellow shall take advantage of the provisions made by the University of Oxford for Colonial students and graduate in Oxford in the Honour School of Modern History.
- (6) Where graduates of different years are applying, the Board, if not unanimous in their choice, shall appoint a special exami-

nation, such as they think fit, for the purpose of selecting the best candidate, and shall give notice of such examination. The award shall then be made by a vote containing not more than one dissenting voice and subject to the provisions of clause (1): but where all the candidates are of the same year no special examination shall be held.

- (7) Should a suitable man not be available in the department to which the fellowship by rotation falls, it shall be awarded in the other department on the same terms, and then alternate as contemplated. Should no man be qualified in either department, the money shall accumulate, and be used for additional fellowships of the same kind and on the same terms.
- (8) The following shall constitute the first Board of Appointment:—Professors Hutton, Bell, Bain, Fletcher, Wrong, Robertson and Mr. Milner; that is to say, three representatives of University College, three of Victoria College, and one of the University Arts Faculty. It shall be the duty of this Board to interpret and apply these clauses, to give notice of the fellowship and to call for applications.

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## FELLOWSHIPS.

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### University.

Tutorial Fellowships in Mathematics, Chemistry and Political Economy of the annual value of \$500 each, are awarded annually. The selection is made from among graduates of the University. Each Fellow is appointed annually; but he may be re-appointed for a period not exceeding, in all, three years.

Each Fellow is required to assist in the teaching and practical work of his department, under the direction of the Professor or Lecturer. The Fellows are selected with a special view to their aptitude for teaching, and their attainments in the department in which the appointment is to be made. Every Fellow on accepting his appointment comes under an obligation to fulfil the duties of his Fellowship during the Academic Year in which he is appointed, unless specially exempted.

Candidates must send in their applications annually to the Registrar, not later than the first day of June.

# The University of Toronto.

## REGULATIONS

AND

## CURRICULUM IN ARTS.

### Degree of Bachelor of Arts.

1. There are two ordinary modes of proceeding to the Degree of Bachelor of Arts, viz.: (1) by taking the General Course; or, (2) by taking an Honour Course.

2. Candidates may enter the Faculty of Arts by passing either the Junior Matriculation examination or the Senior Matriculation examination.

3. The Junior Matriculation examination is held in July under the joint control of the University of Toronto and the Educational Department of Ontario, at centres within the Province.

4. A Junior Matriculation examination is conducted by the Senate in September, at the University, and at such other places as may from time to time be determined upon.

5. The Senior Matriculation examination is held in May, June and September, at the University; but under certain conditions, the June examination may be held at local centres within the Province.

6. Junior and Senior Matriculation examinations will be held in June, at such places outside of the Province of Ontario as may from time to time be determined upon by the Senate. Applications for the appointment of local centres for holding such an examination must be made to the Registrar of the University not later than the fifteenth day of April in each year.

7. The examinations in September are open only to candidates taking the General Course.

### Junior Matriculation.

8. Candidates for Junior Matriculation must produce satisfactory certificates of good conduct, and of having completed the sixteenth year of their age.

9. The subjects for Pass Junior Matriculation shall be taken at *one* examination, and shall be as follows:—English Composition, English

Literature, English Grammar, Algebra, Euclid, Arithmetic, History (British, Canadian and Ancient), Latin, and any *two* of Greek, French, German, Experimental Science (Physics and Chemistry).

10. The number of examination papers shall be as heretofore, except in History and Experimental Science, for each of which there shall be one paper, with two sections in each.

11. Candidates who have already passed Part I. of the Pass Junior Matriculation or of the Junior Leaving Examination shall not be required to pass again in subjects thereof.

12. Candidates who have been starred in not more than *two* subjects at the Pass Junior Matriculation Examination shall complete the examination at one subsequent examination.

13. A candidate who wrote at the examination of 1902 or of any previous year may complete matriculation at any one subsequent examination, taken not later than 1905, provided that he has not more than four subjects on which to write.

14. Candidates for honours and scholarships who have already passed the Pass Junior Matriculation Examination, shall be exempt from the examinations in Arithmetic and English Grammar.

15. Candidates for Honours and for Scholarships will be examined only on the Honour papers in a department; but candidates who fail to obtain Honours may receive pass standing on these papers.

16. For Pass, a candidate shall obtain one-third of the marks assigned to each paper. On each of the "Authors" papers not more than one-third of the marks shall be assigned to sight translation.

17. The ordinary annual examination for Pass and Honour Junior Matriculation shall commence in July, and applications therefor must be sent to the Education Department through the Public School Inspector or the Registrar of the University, not later than May 24th. In the case of candidates for scholarships, applications must be sent to the Registrar of the University by the above-mentioned date. If the candidate desires to write at the University, the fee must accompany the application; otherwise the fee must be sent through the Public School Inspector.

18. Applications from candidates outside of the Province of Ontario for the June examination must be sent to the Registrar of the University not later than the first day of May.

## Senior Matriculation.

19. The examinations for Senior Matriculation shall be held in May and September at the University of Toronto, and in June at the University of Toronto and such other centres as may be determined upon by the standing committee on examinations.

20. All candidates for Senior Matriculation in the General Course shall take the following subjects:—English, Latin, any two of the fol-



lowing languages, viz., Greek, French, German, Hebrew; Ancient History, Mathematics, Physics or Biology. Honour candidates for Senior Matriculation shall be subject to the same regulations as undergraduates of the First year.

21. Candidates who have passed the Senior Matriculation examination are subject to the same conditions regarding transference from the general course to an Honour course or *vice versa* as undergraduates who have completed their First year.

22. Candidates who present themselves in May will be examined in the papers of the First year examination, and the number and the standard of the examination papers and the regulations respecting the subjects of examination at the June examination shall be the same in each department as for the First year examination. The percentage for Pass at each of the examinations shall be one-third of the maximum of marks assigned to each paper. The percentage required for honours shall be the same in each department in May and June as for the ordinary First year examination.

23. Candidates for this examination shall make application to the Registrar of the University not later than the fifteenth day of March for the May examination, and the fifteenth day of May for the June examination. Candidates for the June Senior Matriculation, residing outside the Province of Ontario, shall make application to the Registrar of the University not later than the first day of May.

24. Applications for a local examination shall be made to the Registrar of the University by the authorities of a School or College, not later than the first day of May in each year.

25. The presiding examiner or examiners at each centre shall be appointed by the standing committee on examinations, and of these examiners, as many as may be found necessary, shall be appointed to read the dictation papers in French and German.

26. The fee for the presiding examiner at a centre shall be \$4.00 a day, and this fee and such other expense as may be incurred in connection with the local examination shall be paid to the persons concerned by the authorities of the School or College on whose application the examination is held.

### Matriculation Equivalent Examinations.

27. Certificates of having passed Second or First Class; Junior or Senior Leaving; or Forms II., III. or IV. examinations of the Education Department of Ontario will be accepted *pro tanto* for subjects of the General Course at any Junior Matriculation examination.

28. First Class, Senior Leaving, Form IV. Certificates, or a statement from the Education Department that the candidate has obtained in any subject or subjects, required by such certificate, not less than the percentage, for the time being, set by the Senate as that required for Pass

standing in the Faculty of Arts may be accepted *pro tanto* for such subject or subjects of the General Course at the Senior Matriculation and First Year's Examinations. Candidates presenting such certificates shall not be exempt from the examination in Ancient History prescribed for the First Year in the General Course.

29. Candidates presenting First Class, Senior Leaving or Form IV. Certificates, covering the work of the First Year or Senior Matriculation lacking one or two subjects may be admitted to standing in the General Course of the Second Year starred in such subject or subjects.

30. The standing of candidates for the whole or part of the examination for a higher grade of certificate than Senior Leaving shall be determined in each case by the Senate.

31. The examinations of the School of Practical Science in Mathematics, Physics, Chemistry, Mineralogy and Geology, may be accepted *pro tanto*.

32. Candidates presenting *pro tanto* certificates must attempt to pass at one time in all the subjects necessary to complete the entire examination and are eligible for scholarships and relative standing except in the case of candidates for Junior Matriculation honours and scholarships, who may present *pro tanto* certificates for Part I. only.

### Admission "ad Eundem Statum."

33. An undergraduate in the Faculty of Arts in another University may be admitted *ad eundem statum* on such conditions as the Senate may prescribe.

34. If such applicant be admitted to a lower standing in this University than he held in his own University, he may not compete for scholarships at the next ensuing examination; but if he obtain honours, he shall, at the next succeeding examination, enjoy the same rights and privileges with respect to obligatory subjects as an original undergraduate of this University who has passed an examination of the same merit.

35. The local examinations for students, conducted by the University of Cambridge, are accepted *pro tanto* for Junior Matriculation.

### Supplemental Matriculation Examinations.

36. Supplemental examinations for Junior and Senior Matriculation will be held at the University about the middle of September, at which those who are rejected at previous examinations, as well as new candidates, may present themselves; but no honours or scholarships will be awarded at such examinations. The number and the standard of the examination papers, the regulations respecting the subjects of examination, and the percentage required for Pass, shall in each case be the same as at the ordinary examinations. Applications therefor must be sent to the Registrar of the University not later than 1st September.

## Matriculation Fees.

37. The fees payable are as follows:—

|  |         |
|--|---------|
| For Junior Matriculation .....   | \$ 5 00 |
| For Supplemental Examination in Junior Matriculation subjects in which the Candidate has failed, \$2.00 for each subject; total fee not to exceed..... | 5 00    |
| For Senior Matriculation .....   | 15 00   |
| For Senior Matriculation on <i>pro tanto</i> certificate.....  | 15 00   |
| For <i>Ad eundem statum</i> .....  | 10 00   |

The fee must be paid to the Bursar at the time of application for examination.

## Regulations Relating to All Undergraduates.

38. An undergraduate is a student (1) who has passed the Junior or Senior Matriculation Examination of this University, or (2) who has passed the Junior Matriculation Scholarship Examination of this University, or (3) who has registered the certificates of having passed the Matriculation Examination conducted by this University and the Education Department of Ontario, or (4) has been admitted *ad eundem statum* from some other University.

39. Undergraduates proceeding to the Degree of Bachelor of Arts must be enrolled either in University College or in Victoria University. They must also attend lectures on all the subjects of their course of study for the year, unless for sufficient reasons the University Council, on recommendation of the College in which they are enrolled, grants them a dispensation from lectures for the whole or part of the session. The fee for such dispensation shall be five dollars, and is additional to the enrolment fee. All applications for such dispensation for the Michaelmas Term must be lodged with the Registrar before October 1st, and for Easter Term before January 1st.

40. Undergraduates who are repeating the year without attendance on lectures are required to apply for dispensation, but are not required to pay the dispensation fee.

41. In case a student who has won a scholarship at matriculation applies for dispensation from attendance for one or more of the years during which he is entitled to exemption from tuition fees, he shall be exempt from the usual fee for dispensation in lieu of tuition fees.

42. Every undergraduate must, before being admitted to any examination subsequent to that by which he enters the University, produce a certificate from the head of the College in which he is enrolled, to the effect that he has complied with all the requirements of that College affecting his admission to such examination, and no candidate shall be admitted to standing at any examination who has been reported by his College Council to have violated its regulations.

43. Notice of the time of commencement of the undergraduate examinations will be given annually in January.

44. Candidates in all the years are required to send to the Registrar of the University, at least six weeks before the commencement of each examination, an application for examination according to a printed form to be obtained from the Registrar. The fee for examination, and in the case of candidates for degrees, that for the degree, must be paid not later than April 15th.

### Regulations Relating to the General Course.

45. An undergraduate is entitled to the degree of Bachelor of Arts if in each year of his course he passes the examinations in the prescribed work of the General Course.

46. Candidates in the General Course in Arts must obtain at the annual examinations a minimum average of sixty-six per cent. in order to be placed in the First Class in General Proficiency, and a minimum average of fifty per cent. in order to be placed in the Second Class. The candidates in these two classes shall be ranked in order of merit. All candidates failing to obtain fifty per cent. in each subject but obtaining not less than thirty-three per cent., shall be ranked as Pass candidates. The names of candidates in the General Course in Arts who avail themselves of the theological options shall be placed in a list separate from those who have not availed themselves of this privilege.

47. Candidates in the General Course in Arts shall be arranged alphabetically in each subject in the annual class lists in three grades, A, B and C; the minimum for Grade A shall be sixty-six per cent. of the marks, and for Grade B, fifty per cent.; all who pass with less than fifty per cent., but not less than thirty-three per cent., shall be placed in Grade C.

48. The name of a Pass candidate in Arts may be allowed to appear in the class list of his year, provided there are not more than two subjects in which he has failed. These subjects may be among the obligatory subjects of the year, or they may be subjects attempted at a previous examination or examinations. Honour candidates may be starred in two subjects. General Proficiency candidates in Arts may be starred in one, but not in more than one subject of the General Course on like conditions.

49. Honour candidates who have failed in one subject under the above regulation, and who in consequence have been starred in that subject, may repeat in May the whole examination at which they were starred, and similarly General Proficiency or Pass candidates who have been starred in one or two subjects, may repeat the whole examination either in September or in May, but such candidates shall not be eligible for scholarships. All candidates who do not exercise this option may present themselves for examination in the subjects in which they have



been starred, either in September or in May, but on so presenting themselves, they shall be entitled to examination in those subjects only in which they have been starred. Honour candidates who are starred in two subjects shall be awarded no class standing and shall not be allowed to present themselves at any subsequent Honour examinations until they have passed in both of the subjects in which they have been starred. A supplemental examination will be held annually, in January, for those candidates only who have been starred. The fee for this examination is fifteen dollars.

50. Candidates of the Fourth year who have been starred in one or two subjects, but who have not succeeded in writing off these subjects at some previous examination, may be allowed to take this work at a special examination to be held in the latter part of April, or at the time of the annual examinations in May. Candidates taking advantage of this provision shall pay an additional fee of ten dollars. But in the case of English and Latin of the Third and Fourth years, a candidate shall not be considered to have written off his star, unless the Third year examination which he passes covers a different prescription of texts from that covered by his Fourth year examination.

51. When a candidate at an examination is starred in a subject which is one of two or more subjects between which an option exists at the said examination, the candidate at his supplemental examination may present himself in any one of such alternative subjects.

52. At the beginning of the Second, Third or Fourth year a candidate may be transferred from the General Course to an Honour Course or *vice versa*, or from one Honour Course to another Honour Course, by passing an examination on such subjects, and by obtaining therein such a percentage as may be required by the Senate in view of the nature of the transfer granted. But transfer to an Honour Course shall not be granted to any student who is starred in any subject of the General Course.

53. A student in the General Course who wishes to take Honours in a department may be allowed to repeat his year, taking the work of the Honour department only if he so desires, and on passing with Honours he shall be allowed to proceed in that department.

54. Undergraduates of any year, who have been rejected, or who have by sickness, domestic affliction, or other causes beyond their control been prevented from attending the Annual examinations in May, may present themselves for examination in September; but candidates who have failed to attend at the May examinations, must prove to the satisfaction of the Vice-Chancellor, before presenting themselves in September, the existence and sufficiency of the alleged cause of absence, and all such cases shall be subsequently reported to the Senate.

55. Undergraduates in the General Course in the Third and Fourth years may, in lieu of one or more of the subjects prescribed for each of

these years, take certain of the following subjects, namely, Biblical Greek, Biblical Literature, Apologetics, Church History, and Christian Ethics, according to the following schedule:—

THIRD YEAR....Biblical Greek *for* Classical Greek; Church History *or* Biblical Literature *for* Modern History; Apologetics *for* Physics.

FOURTH YEAR....Biblical Greek *for* Classical Greek; Biblical Literature *or* Church History *for* Modern History; Christian Ethics *or* Apologetics *for* History of Philosophy.

NOTE.—Candidates are allowed two of the three options in the Third, and All three in the Fourth year.

56. Undergraduates who exercise the theological options must present to the College in which they are enrolled certificates of having attended lectures (unless granted dispensation by the University) and of having passed examinations in the subjects so selected at an affiliated or federated College or University other than University College. These examinations must be taken in the same year as the corresponding University examinations, and be subject to the same regulations as to standard.

### Term Work in the General Course.

57. Reports of attendance at Pass lectures in the First and Second years shall be made in all departments except those of Physics, Biology, Chemistry and Geology, and marks for such attendance shall be assigned in connection with the May examination as follows:—

|   | Marks. |
|---|--------|
| For attendance at four-fifths and over..... | 20     |
| For attendance at two-thirds and over.....  | 13     |
| For attendance at one-half and over.....    | 7      |

58. No student attending less than one-half the lectures shall receive any marks for attendance.

59. Reports on term Pass work in the First and Second years shall be made in all departments except those of Chemistry, Natural Science and Physics. In the department of English four essays at least shall be required during the session from each student; and the reports on term work in that department shall be based on the essays. In other departments the report on term work shall be based on those parts of the work which the professor or lecturer may deem most appropriate as tests of proficiency. The maximum number of marks to be assigned for term work in connection with the May examination shall be thirty, except in the case of English, in which the term work shall count as eighty marks.

60. Students to whom the foregoing regulations apply must obtain on the May examination at least thirty-three per cent. of the examina-

tion marks; and must also obtain at least thirty-three per cent. of the aggregate number of marks assigned according to the following schedule:

|                       |     |
|-----------------------|-----|
| May examination ..... | 100 |
| *Term work .....      | 30  |
| Attendance .....      | 20  |
| <hr/>                 |     |
| Total .....           | 150 |

61. The Senate may, upon the report of the University or College Council concerned, based on the recommendation of a Professor or Lecturer, excuse registered students from term work and from attendance at lectures in any one or more subjects. Such exemption must be obtained at the beginning of each term, and no exemption from term work shall be allowed in the case of English.

\*English term work 80, and total 200.

### Regulations Relating to the Honor Course.

62. In this course there are twelve Honour departments, viz.:—I., Classics; II., Modern Languages; III., English and History; IV., Oriental Languages; V., History; VI., Political Science; VII., Philosophy; VIII., Mathematics and Physics; IX., Natural Science; X., Chemistry and Mineralogy; XI., Physics and Chemistry; XII., Biological and Physical Science.

63. Candidates shall not have the right to claim examination in more than two Honour courses after the First year.

64. An undergraduate is entitled to the degree of Bachelor of Arts, if in each year of his course he passes the examinations in the prescribed work of one of these departments, and also the subjects of the General Course prescribed in connection therewith, at the respective times mentioned in the schedule at the head of each department.

65. In the annual class lists, the names of candidates who obtain honours in any department or subject shall be arranged in order of merit in three classes, those obtaining seventy-five per cent. and over of the total number of marks being placed in the First Class, those obtaining sixty-six per cent. and less than seventy-five per cent. being placed in the second class, and those obtaining fifty per cent. and less than sixty-six per cent. being placed in the third class.

66. A candidate pursuing a course in an Honour department who falls below the third class in his department, shall not be allowed standing of the following year. But in the departments of Classics, Modern Languages, English and History, History, Political Science, Philosophy, Chemistry and Mineralogy, Physics and Chemistry, and Natural Science, candidates whose average is not less than third class, but who have fallen below third class in any one subject, may, on the recommendation of the examiners, be allowed to proceed as Honour candidates in the following year.

67. A candidate who competes for Honours at the examination for Bachelor of Arts, and fails to obtain the requisite number of marks to entitle him to be classed in Honours, may, on the recommendation of the examiners, be awarded a degree without Honours; it being at the option of the candidate to accept the award of such degree, or to wait until a subsequent examination, and again compete for a degree in Honours.

68. An undergraduate who has obtained Honours in any department may, with the consent of the Senate, be transferred to any other department, and proceed therein, but as a prerequisite to obtaining the Degree of Bachelor of Arts, he must, during his course have passed the examinations in the subjects of the General Course required in the Honour department to which he is transferred.

69. Candidates in the Honour subjects of Physics, Chemistry, Biology, Mineralogy and Geology and Psychology will be ranked in the class lists on practical work done in the laboratories of the respective departments during the session; and no candidate will be allowed to proceed to examination in any of these Honour subjects unless he presents to the Registrar a certificate from the Professor that he has attained Honour standing in the practical work of that subject.

70. In the departments of Philosophy, Mathematics and Physics, Physics and Chemistry, Chemistry and Mineralogy, and Natural Science, each candidate for Honours must attend all examinations in the practical work of the year in which he presents himself for the University examination.

71. Undergraduates in the Honour department of Philosophy may, in the Third year, substitute for Modern History and Economics any two of the three following subjects, viz.:—Church History, Apologetics, Biblical Literature. Undergraduates in the Honour department of Oriental Languages may, in the Third and Fourth years, substitute Biblical Greek for Classical Greek. Candidates exercising these options must present certificates of having attended lectures and passed examinations in the subjects so selected at an affiliated or federated College or University other than University College. These examinations must be taken in the same year as the corresponding University examinations, and be subject to the same regulations as to standard. These examinations do not count for honours.

72. In the Honour department of Philosophy two distinct examinations are held upon the two systems of Philosophy taught in the federated Arts Colleges.

### Degree of Master of Arts.

73. Candidates for the Degree of Master of Arts must have been admitted to the Degree of Bachelor of Arts, must be of the standing of one year from admission to the Degree of Bachelor of Arts, and must



have sent in an approved thesis upon some subject in one of the departments in the Faculty of Arts. The thesis must be sent to the Registrar not later than 1st May.

### **Degree of Doctor of Philosophy.**

74. A candidate for the Degree of Doctor of Philosophy must have been admitted to a degree in Arts in the University of Toronto, must have pursued for at least two years the study of a major subject, must pass examinations on two minor subjects equivalent to First Class Honour standing for the B.A. Degree, and must present an approved thesis embodying the results of an original investigation. For details, see p. 133.

### **Admission "ad Eundem Gradum."**

75. A graduate in the Faculty of Arts in any University in Great Britain or Ireland (if his degree be not an honorary one) may be admitted to the same degree in the University of Toronto.

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## JUNIOR MATRICULATION.

### GENERAL COURSE.

#### English Grammar.

The main facts in the development of the language. Etymology and Syntax, including the logical structure of the sentence and the inflection, classification and elementary analysis of words.

One examination paper.

#### Arithmetic.

ARITHMETIC: Elementary Rules, Fractions (Vulgar and Decimal), Interest, Discount, and easy problems in Stocks.

Special importance will be attached to accuracy and neatness.

One examination paper.

#### History of Great Britain and Canada.

Great Britain and Canada from 1763 to 1885, with the outlines of the preceding periods of British History.

The Geography relating to the History prescribed.

One examination paper.

#### Elementary Experimental Science (Physics).

Use of metre rule; use of calipers and vernier for more accurate metric measurements (*e.g.*, diameters of wires, thickness of glass, plates etc.); numerical calculations in the metric system.

Use of balance.

Specific gravity, by specific gravity bottle and hydrostatic balance, of liquids and of solids.

Boyle's law; barometer; diffusion of gases.

Use of Fahrenheit and Centigrade thermometers; determination of zero and boiling point; boiling point dependent on pressure.

Expansion of solids, liquids and gases; examples.

Specific heat; latent heat; easy numerical examples.

Transmutation of matter; indestructibility of matter.

Solution, precipitation, crystallization and evaporation.

One examination paper.

### Latin.

Translation into Latin of English phrases and easy sentences to illustrate Latin accidence and the common rules of Latin syntax.

Translation into Latin of easy narrative English based upon the first twenty-five chapters of the prescribed *Cæsar*.

Translation at sight (with the aid of vocabularies) from some easy prose author.

Translation from prescribed texts, with grammatical and other questions naturally arising from the extracts set for translation.

The following are the texts prescribed:—

1903, 1904 and 1905: *Cornelius Nepos*, *Lives of Themistocles, Aristides and Hannibal*; *CÆSAR*, *Bellum Gallicum*, Bk. IV. (omitting Chap. 17), and Bk. V., Chaps. 1-23; *VERGIL*, *Æneid*, Bk. II. (1-50<sup>5</sup>).

Two papers will be set: (1) Translation of English into Latin. (2) Prescribed texts and translation at sight, with questions on Grammar, etc.

N.B.—The Roman method of pronouncing Latin is recommended.

### English.

**COMPOSITION:** An essay, to which special importance will be attached, on one of several themes set by the examiners. In order to pass in this subject, legible writing, correct spelling and punctuation, and proper construction of sentences are indispensable. The candidate should also give attention to the structure of the whole essay, the effective ordering of the thought, and the accurate employment of a good English vocabulary. About two pages of foolscap is suggested as the proper length for the essay; but quality, not quantity, will be mainly regarded.

One examination paper.

**LITERATURE:** Such questions only shall be set as may serve to test the candidate's familiarity with, and intelligent and appreciative comprehension of, the prescribed texts. The candidate will be expected to have memorized some of the finest passages. In addition to the questions on the prescribed selections, others shall be set on a "sight passage" to test the candidate's ability to interpret literature for himself.

One examination paper.

1903: **COLERIDGE:** *The Ancient Mariner*.

**WORDSWORTH:** *Michael*, *Influence of Natural Objects*, *Nutting*, *Expostulation and Reply*, *The Tables Turned*, *The Solitary Reaper*, *Ode to Duty*, *Elegiac Stanzas*, *To Rev. Dr. Wordsworth*, "She was a Phantom of Delight," *To the Cuckoo*, *The Green Linnet*, "Bright flower whose home," *To a Skylark*, "Ethereal minstrel," *Reverie of Poor Susan*, *To my Sister*, "Three years she grew," September 1819, *Upon the Same Occasion*.

The following twelve sonnets: "Two voices are there," "Scorn not the Sonnet," "A flock of sheep that leisurely," "Earth hath not anything," "It is not to be thought of," "Fair Star of Evening," "O Friend! I know not," "Milton! thou shouldst," "When I have borne in memory," "Brook! whose society," "Tax not the saint," "They dreamt not of a perishable home."

SHAKESPEARE: Merchant of Venice.

1904: TENNYSON, Lady of Shalott, Lotus Eaters, Oenone, The Epic and Morte d'Arthur, Ulysses, "You ask me why," "Of old sat Freedom," "Love thou thy land," "St. Agnes' Eve," "Break, break, break," Sir Galahad, "Tears, idle tears," and the six interlude songs from The Princess, The Brook, Ode on the Duke of Wellington, Charge of the Light Brigade.

SHAKESPEARE: Julius Cæsar.

1905: LONGFELLOW, Evangeline, "The Day is Done," The Old Clock on the Stairs, The Fire of Driftwood, Resignation, The Warden of the Cinque Ports, The Bridge, a Gleam of Sunshine.

WORDSWORTH: "Three years she grew in sun and shade," "She was a phantom of delight," "There is a flower, the Lesser Celandine," "Ethereal Minstrel, Pilgrim of the Sky," The Green Linnet, To the Cuckoo, "With little here to do or see."

SHAKESPEARE: Macbeth.

### Greek.

Translation into English of passages from prescribed texts.

Translation at sight (with the aid of vocabularies) of easy Attic prose, to which special importance will be attached.

Grammatical questions on the passages from prescribed texts will be set, and such other questions as arise naturally from the context.

Translation from English into Greek of sentences and of easy narrative passages based upon the prescribed prose text.

The following are the prescribed texts:—

1903: Selections from XENOPHON, Anabasis I., in White's Beginner's Greek Book (pp. 304-428), with the exercises thereon; HOMER, Iliad VI.

1904 and 1905: Selections from XENOPHON, Anabasis I., in White's Beginner's Greek Book (pp. 304-428), with the exercises thereon; HOMER, Iliad I.

Two papers will be set: (1) Prescribed texts and translations at sight; questions on Grammar; (2) the translation of English into Greek.

### French.

The candidate's knowledge of French will be tested by: (1) simple questions on grammar; (2) the translation of simple passages from English into French; (3) translation at sight of easy passages from modern French, and (4) an examination on the following texts:—



1903: LAMENNAIS, *Paroles d'un croyant*, Chaps. VII and XVII; PERRAULT, *le Maître Chat ou le Chat Botté*; DUMAS, *Un nez gelé*, and *la Pipe de Jean Bart*; ALPHONSE DAUDET, *la Dernière classe*, and *la Chèvre de M. Seguin*; LEGOUVÉ, *la Patte de dindon*; POUVILLON, *Hortibus*; LOTI, *Chagrin d'un vieux forçat*; MOLIERE, *l'Avare*, Acte III, sc. 5 (*Est-ce à votre cocher . . . sous la meinne*); VICTOR HUGO, *Waterloo*, Chap. IX; ROUGET DE L'ISLE, *la Marseillaise*; ARNAULT, *la Feuille*; CHATEAUBRIAND, *l'Exilé*; THÉOPHILE GAUTIER, *la Chimère*; VICTOR HUGO, *Extase*; LAMARTINE, *l'Automne*; DE MUSSET, *Tristesse*; SULLY PRUDHOMME, *le Vase brisé*; LA FONTAINE, *le Chêne et le Roseau*.

FEUILLET, *le Village*.

1904: LAMENNAIS, *Paroles d'un croyant*, Chaps. VII and XVII; PERRAULT, *le Maître Chat ou le Chat Botté*; DUMAS, *Un nez gelé*, and *la Pipe de Jean Bart*; ALPHONSE DAUDET, *la Dernière classe*, and *la Chèvre de M. Seguin*; LEGOUVÉ, *la Patte de dindon*; POUVILLON, *Hortibus*; LOTI, *Chagrin d'un vieux forçat*; MOLIERE, *l'Avare*, Acte III, sc. 5 (*Est-ce à votre cocher . . . sous la meinne*); VICTOR HUGO, *Waterloo*, Chap. IX; ROUGET DE L'ISLE, *la Marseillaise*; ARNAULT, *la Feuille*; CHATEAUBRIAND, *l'Exilé*; THÉOPHILE GAUTIER, *la Chimère*; VICTOR HUGO, *Extase*; LAMARTINE, *l'Automne*; DE MUSSET, *Tristesse*; SULLY PRUDHOMME, *le Vase brisé*; LA FONTAINE, *le Chêne et le Roseau*.

DAUDET, *la Belle Nivernaise*.

1905: LAMENNAIS, *Paroles d'un croyant*, Chaps. VII. and XVII; PERRAULT, *le Maître Chat ou le Chat Botté*; DUMAS, *Un nez gelé*, and *la Pipe de Jean Bart*; ALPHONSE DAUDET, *la Dernière classe*, and *la Chèvre de M. Seguin*; LEGOUVÉ, *la Patte de dindon*; POUVILLON, *Hortibus*; LOTI, *Chagrin d'un vieux forçat*; MOLIERE, *l'Avare*, Acte III., sc. 5 (*Est-ce à votre cocher . . . sous la meinne*); VICTOR HUGO, *Waterloo*, Chap. IX.; ROUGET DE L'ISLE, *la Marseillaise*; ARNAULT, *la Feuille*; CHATEAUBRIAND, *l'Exilé*; THÉOPHILE GAUTIER, *la Chimère*; VICTOR HUGO, *Extase*; LAMARTINE, *l'Automne*; DE MUSSET, *Tristesse*; SULLY PRUDHOMME, *le Vase brisé*; LA FONTAINE, *le Chêne et le Roseau*.

ERCKMANN-CHATRIAN, *Contes fantastiques*, pp. 3-69, 121-138, ed. by E. S. Joynes (Holt & Co.).

Two papers will be set: (1) Prescribed texts and translation at sight; questions on grammar; (2) the translation of English into French.

### German.

The candidate's knowledge of German will be tested by: (1) simple questions on grammar; (2) the translation of simple passages from English into German; (3) translation at sight of easy passages from modern German, and (4) an examination on the following texts:—

1903: GRIMM, *Rotkäppchen*; ANDERSEN, *Wie's der Alte macht*, *Das neue Kleid*, *Venedig*, *Rothschild*, *Der Bär*; ERTL, *Himmelsschlüssel*; FROMMEL, *Das eiserne Kreuz*; BAUMBACH, *Nicotiana*, *Der Goldbaum*; HEINE, *Lorelei*,

Du bist wie eine Blume ; UHLAND, Schäfer's Sonntagslied, Das Schloss am Meer ; CHAMISSE, Das Schloss Boncourt ; CLAUDIUS, Die Sterne, Der Riese Goliath ; GOETHE, Mignon, Erlkönig, Der Sänger ; SCHILLER, Der Jüngling am Bache.

LEANDER, Träumereien, pp. 45-90 (selected by Van Daell).

1904 : GRIMM, Rotkäppchen ; ANDERSEN, Wie's der macht, Das neue Kleid, Venedig, Rothschild, Der Bär ; ERTL, Himmelschlüssel ; FROMMEL, Das eiserne Kreuz ; BAUMBACH, Nicotiana, Der Goldbaum ; HEINE, Lorelei, Du bist wie eine Blume ; UHLAND, Schäfer's Sonntagslied, Das Schloss am Meer ; CHAMISSE, Das Schloss Boncourt ; CLAUDIUS, Die Sterne, Der Riese Goliath ; GOETHE, Mignon, Erlkönig, Der Sänger ; SCHILLER, Der Jüngling am Bache.

BAUMBACH, Waldnovellen.

1905 : GRIMM, Rotkäppchen ; ANDERSEN, Wie's der Alte macht, Das neue Kleid, Venedig, Rothschild, Der Bär ; ERTL, Himmelschlüssel ; FROMMEL, Das eiserne Kreuz ; BAUMBACH, Nicotiana, Der Goldbaum ; HEINE, Lorelei, Du bist wie eine Blume ; UHLAND, Schäfer's Sonntagslied, Das Schloss am Meer ; CHAMISSE, Das Schloss Boncourt ; CLAUDIUS, Die Sterne, Der Riese Goliath ; GOETHE, Mignon, Erlkönig, Der Sänger ; SCHILLER, Der Jüngling am Bache.

LEANDER, Träumereien, pp. 45-90 (selected by Van Daell).

Two papers will be set: (1) Prescribed texts and translation at sight; questions on Grammar; (2) the translation of English into German.

### Ancient History.

General outlines of Greek History to the fall of Corinth.

General outlines of Roman History to the death of Augustus.

The Geography relating to the history prescribed.

One examination paper.

### Mathematics.

ALGEBRA: Elementary Rules; Highest Common Measure; Lowest Common Multiple; Fractions; Square Root; Simple Equations of one, two and three unknown quantities; Indices; Surds, Quadratics of one and two unknown quantities.

One examination paper.

GEOMETRY, Euclid, Books I., II. and III.; easy Deductions.

One examination paper.

### Elementary Experimental Science (Chemistry).

Properties of Hydrogen, Chlorine, Oxygen, Sulphur, Nitrogen, Carbon and their most important compounds. Nomenclature. Laws of combination of the elements. The Atomic Theory and Molecular Theory.

One examination paper.

## HONOUR COURSE.

## Greek.

Translation into English of passages from prescribed texts.

Translation at sight of passages of average difficulty, similar to the authors read.

Grammatical questions on the passages from prescribed texts will be set, and such other questions as arise naturally from the context.

Translations into Greek of ordinary narrative passages of English, similar to the authors read.

The following are the prescribed texts:—

1903: XENOPHON, *Anabasis* I. (Chaps. I-VIII.); HOMER, *Iliad* VI., *Odyssey* XVII.; LUCIAN, *Timon*; LYSIAS, *Pro Mantistheo* and *de Invalido*.

1904: XENOPHON, *Anabasis* I. (Chaps. I-VIII.); HOMER, *Iliad* I., *Odyssey* XIX.; LUCIAN, *Timon*; LYSIAS, *Pro Mantistheo* and *de Invalido*.

1905: XENOPHON, *Anabasis* I. (Chaps. I-VIII.); HOMER, *Iliad* I., *Odyssey* XIX.; LUCIAN, *Charon* (*Heitland*); LYSIAS, *Contra Erasthenem*.

Two examination papers.

## Latin.

Translation into English of passages from prescribed texts.

Translation at sight of passages of average difficulty, similar in style to the authors read.

Grammatical questions on the passages from prescribed texts will be set, and such other questions as arise naturally from the context.

Translation into Latin of easy passages of English, similar in style to the authors read.

The following are the prescribed texts:—

1903: CORNELIUS NEPOS, *Lives of Themistocles, Aristides, and Hannibal*; CÆSAR, *Bellum Gallicum*, Book IV., omitting Chap. 17, and Bk. V., Chaps. 1-23; VERGIL, *Æneid* II., lines 1-505; HORACE, *Odes* III. and IV.; CICERO, *Pro Lege Manilia*, *Pro Marcello*, *Philippic* XIV. (*Harper's Text*).

1904: CORNELIUS NEPOS, *Lives of Themistocles, Aristides and Hannibal*; CÆSAR, *Bellum Gallicum*, Book IV., omitting Chap. 17, and Bk. V., Chaps. 1-23; VERGIL, *Æneid* II., lines 1-505; HORACE, *Odes* III. and IV.; CICERO, *In Catilinam* I., III., IV.

1905: CORNELIUS NEPOS, *Lives of Themistocles, Aristides, and Hannibal*; CÆSAR, *Bellum Gallicum*, Book IV., omitting Chap. 17, and Bk. V., Chaps. 1-23; VERGIL, *Æneid* II., lines 1-505; HORACE, *Odes* I. II.; CICERO, *In Catilinam* I., III., IV.

Two examination papers.

### English.

COMPOSITION: An essay, to which special importance will be attached, on one of several themes set by the examiner.

One examination paper.

LITERATURE: The candidate will be expected to have memorized some of the finest passages. Besides questions to test the candidate's familiarity with, and comprehension of, the following selections, questions may also be set to determine within reasonable limits his power of appreciating literary art.

RHETORIC: Reading of prose authors in connection with the study of rhetoric.

One examination paper.

1903: COLERIDGE, *The Ancient Mariner*.

WORDSWORTH, Michael, *Influence of Natural Objects*, *Nutting*, *Expostulation and Reply*, *The Tables Turned*, *The Solitary Reaper*, *Ode to Duty*, *Elegiac Stanzas*, *To Rev. Dr. Wordsworth*, "She was a Phantom," *To the Cuckoo*, *The Green Linnet*, "Bright flower whose home," *To a Skylark*, "Ethereal Minstrel," *Reverie of Poor Susan*, *To my Sister*, "Three Years she grew," September 1819, *Upon the same Occasion*.

The following twelve sonnets:—

"Two voices are there," "Tax not the saint," "They dreamt not of a Perishable Home," "Scorn not the Sonnet," "A flock of sheep that leisurely," "Earth hath not anything," "It is not to be thought of," "Fair Star of Evening," "O Friend! I know not," "Milton! thou shouldst," "When I have borne in memory," "Brook whose society."

SHAKESPEARE: *Merchant of Venice*, *As You Like It*.

1904: TENNYSON, *Lady of Shalott*, *Lotus Eaters*, *Oenone*, *The Epic and Morte d'Arthur*, *Ulysses*, "You ask me why," "Of old sat Freedom," "Love thou thy land," "St. Agnes' Eve," "Break, break, break," *Sir Galahad*, "Tears; idle tears"; and the six interlude songs from the *Princess*, *The Brook*, *Ode on the Duke of Wellington*, *Charge of the Light Brigade*.

SHAKESPEARE: *Macbeth*, *Julius Cæsar*.

1905: LONGFELLOW, *Evangeline*, "The day is done," *The Old Clock on the Stairs*, *The Fire of Driftwood*, *Resignation*, *The Warden of the Cinque Ports*, *The Bridge*, *A Gleam of Sunshine*.

WORDSWORTH, "Three years she grew in sun and shade," "She was a phantom of delight," "There is a flower, the Lesser Celandine,"



"Ethereal Minstrel, Pilgrim of the Sky," The Green Linnet, To the Cuckoo, "With little here to do or see."

SHAKESPEARE: Macbeth, Richard II.

### French.

The prescription of work in grammar, the translation of English into German and sight translation is the same for Honours as for the General Course, but the examination will be of a more advanced character.

The following are the prescribed texts:—

1903: LAMENNAIS, Paroles, d'un croyant Chaps. VII and XVII; PERRAULT, le Maître ou le Chat Botté; DUMAS, Un nez gelé, and la Pipe de Jean Bart; ALPHONSE DAUDET, la Dernière classe, and la Chèvre de M. Seguin; LEGOUVÉ, la Patte de dindon; POUVILLON, Hortibus; LOTI, Chagrin d'un vieux forçat; MOLIERE, l'Avare, Acte III, sc. 5 (Est-ce à votre cocher... sous la mienne); VICTOR HUGO, Waterloo, Chap. IX; ROUGET DE L'ISLE, la Marseillaise; ARNAULT, la Feuille; CHATEAUBRIAND, l'Exilé; THÉOPHILE GAUTIER, la Chimère; VICTOR HUGO, Extase; LAMARTINE, l'Automne; DE MUSSET, Tristesse; SULLY PRUDHOMME, le Vase bisé; LA FONTAINE, le Chêne et le Roseau.

FEUILLET, le Village.

DUMAS, la Tulipe noire. Ed. by E. E. Brandon (American Book Co.)

1904: LAMENNAIS, Paroles d'un croyant Chaps. VII and XVII; PERRAULT, le Maître Chat ou le Chat Botté; DUMAS, Un nez gelé, and la Pipe de Jean Bart; ALPHONSE DAUDET, la Dernière classe, and la Chèvre de M. Seguin; LEGOUVÉ, la Patte de dindon; POUVILLON, Hortibus; LOTI, Chagrin d'un vieux forçat; MOLIERE, l'Avare, Acte III, sc. 5 (Est-ce à votre cocher... sous la mienne); VICTOR HUGO, Waterloo, Chap. IX; ROUGET DE L'ISLE, la Marseillaise; ARNAULT, la Feuille; CHATEAUBRIAND, l'Exilé; THÉOPHILE GAUTIER, la Chimère; VICTOR HUGO, Extase; LAMARTINE, l'Automne; DE MUSSET, Tristesse; SULLY PRUDHOMME, la Vase brisé; LA FONTAINE le Chêne et le Roseau.

DAUDET, la Belle Nivernaise.

SAINTINE, Picciola. Ed. by A. R. Ropes, University Press (Cambridge).

1905: LAMENNAIS, Paroles d'un croyant Chaps. VII and XVII; PERRAULT le Maître Chat ou le Chat Botté; DUMAS, Un nez gelé, and la Pipe de Jean Bart; ALPHONSE DAUDET, la Dernière classe, and la Chèvre de M. Seguin; LEGOUVÉ, la Patte de dindon; POUVILLON, Hortibus; LOTI, Chagrin d'un vieux forçat; MOLIERE, l'Avare, Acte III, sc. 5 (Est-ce à votre cocher... sous la mienne); VICTOR HUGO, Waterloo, Chap. IX; ROUGET DE L'ISLE, la Marseillaise; ARNAULT, la Feuille; CHATEAUBRIAND, l'Exilé; THÉOPHILE GAUTIER, la Chimère; VICTOR HUGO, Extase; LAMARTINE, l'Automne; DE MUSSET, Tristesse; SULLY PRUDHOMME, le Vase Brisé; LA FONTAINE, le Chêne et le Roseau.

ERCKMANN-CHATRAIN: Contes fantastiques, pp. 3-69, 121-138, ed. E. S. Joynes (Holt & Co.).

FRANÇOIS COPPÉE: Contes Choisis, ed. by Margaret F. Skeat (Macmillan).

### German.

The prescription of work in grammar, the translation of English into German and sight translation is the same for Honours as for the General Course, but the examination will be of a more advanced character.

The following are the prescribed texts:—

1903 : GRIMM, Rotkäppchen ; ANDERSEN, Wie's der Alte macht, Des neue Kleid, Venedig, Rothschild, Der Bär ; ERTL, Himmelsschlüssel ; FROMMEL, Das eiserne Kreuz ; BAUMBACH, Nicotiana, Der Goldbaum ; HEINE, Lorelei, Du bist wie eine Blume ; UHLAND, Schäfer's Sonntagslied, Das Schloss am Meer ; CHAMISSE, Das Schloss Bancourt ; CLAUDIUS, Die Sterne, Der Riese Goliath ; GOETHE, Mignon, Erbkönig, Der Sänger ; SCHILLER, Der Jüngling am Bache.

LEANDER, Träumereien, pp. 45 to 90 (selected by Van Daell).

BAUMBACH, der Schwiegersohn ; ELZ, Er ist nicht eifersüchtig ; WICHERT, Post Festum.

1904 : GRIMM, Rotkäppchen ; ANDERSEN, Wie's der Alte macht ; Das neue Kleid, Venedig, Rothschild, Der Bär ; ERTL, Himmelsschlüssel ; FROMMEL, Das eiserne Kreuz ; BAUMBACH, Nicotiana, Der Goldbaum ; HEINE, Lorelei, Du bist wie eine Blume ; UHLAND, Schäfer's Sonntagslied, Das Schloss am Meer ; CHAMISSE, Das Schloss Boncourt ; CLAUDIUS, Die Sterne, Der Riese Goliath ; GOETHE, Mignon, Erbkönig, Der Sänger ; SCHILLER, Der Jüngling am Bache.

BAUMBACH, Waldnovellen.

EBNER-ESCHENBACH, die Freiherren von Gemperlein.

WILHELMI, Einer muss heiraten.

BENEDIX, Eigensinn.

1905 : GRIMM, Rotkäppchen ; ANDERSEN, Wie's der Alte macht, Das neue Kleid, Venedig, Rothschild, Der Bär ; ERTL, Himmelsschlüssel ; FROMMEL, Das eiserne Kreuz ; BAUMBACH, Nicotiana, Der Goldbaum ; HEINE, Lorelei, Du bist wie eine Blume ; UHLAND, Schäfer's Sonntagslied, Das Schloss am Meer ; CHAMISSE, Das Schloss Bancourt ; CLAUDIUS, Die Sterne, Der Riese Goliath ; GOETHE, Mignon, Erbkönig, Der Sänger ; SCHILLER, Der Jüngling am Bache.

LEANDER, Träumereien, pp. 45-90 (selected by Van Daell).

EBNER-ESCHENBACH, Die Freiherren von Gemperlein ; WILHELMI, Einer muss heiraten.

BENEDIX, Eigensinn.

### History.

English History from the discovery of America to 1763.

General outlines of Greek History to the fall of Corinth.

General outlines of Roman History to the death of Augustus.

The Geography relating to the History prescribed.

One examination paper.

**Mathematics.**

**ALGEBRA:** Elementary Rules; Highest Common Measure; Lowest Common Multiple; Fractions; Square Root; Simple Equations of one, two and three unknown quantities; Indices; Surds; Quadratics of one and two unknown quantities; Theory of Divisors; Ratio, Proportion and Variation; Progressions; Notation; Permutations and Combinations; Binomial Theorem; Interest Forms; Annuities.

One examination paper.

**GEOMETRY:** Euclid, Books I., II., III., IV. and VI.; Definitions of Book V.; Deductions.

One examination paper.

**TRIGONOMETRY:** Trigonometrical ratios with their relations to each other; Sines, etc., of the sum and difference of angles with deduced formulas; Use of Logarithms; Solution of Triangles; Expressions for the area of Triangles; Radii of circumscribed, inscribed and escribed circles.

One examination paper.

**PROBLEMS:** One paper.

**Physics.**

**MECHANICS:** Measurement of velocity; uniformly accelerated rectilinear motion; metre; units of force, work, energy and power; equilibrium of forces acting at a point; triangle, parallelogram, and polygon of forces; parallel forces; principle of moments; centre of gravity; laws of friction; numerical examples.

**HYDROSTATICS:** Fluid pressure at a point; pressure on a horizontal plane; pressure on an inclined plane; resultant vertical pressure, and resultant horizontal pressure, when fluid is under air pressure and when not; transmission of pressure; Barmah's press; equilibrium of liquids of unequal density in a bent tube; the barometer; air-pump; water-pump, common and force; siphon.

**ELECTRICITY:** Voltaic cells, common kinds; chemical action in the cell; magnetic effects of the current; chemical effects of the current; voltmeters; electroplating; astatic and tangent galvanometers; simple notions of potential; Ohm's law; shunts; measurement of resistance; electric light, arc and incandescent; current induction; induction coil; dynamo and motor; the joule and watt; electric bell; telegraph; telephone; elements of terrestrial magnetism.

One examination paper.

**Chemistry.**

**CHEMICAL THEORY:** The study of the following elements, with their most characteristic compounds, in illustration of Mendelejeff's Classification of the Elements; Hydrogen; Sodium, Potassium; Magnesium, Zinc; Calcium, Strontium, Barium; Boron, Aluminium; Carbon, Silicon, Tin, Lead; Nitrogen, Phosphorus, Arsenic, Antimony, Bismuth; Oxygen, Sulphur; Fluorine, Chlorine, Bromine, Iodine; Manganese, Iron. Elementary Qualitative Analysis.

A practical examination shall be held in connection with this subject, a pure salt will be sent out for qualitative analysis, and the candidate shall be allowed the use of an analytical table.

One examination paper.

### Biology.

1. ELEMENTS OF ZOOLOGY: Thorough examination of the external form, the gills, and the viscera of some common fish. Study of the prepared skeleton of the same. Demonstration of the arrangement of the muscular and nervous systems and the sense-organs, as far as these can be studied without the aid of the microscope.

Comparison of the structure of the frog with that of the fish. The skeleton of the pectoral and pelvic girdles and of the appendages of the frog, should be studied, and the chief facts in the development of its spawn till the adult form is attained should be observed.

Examination of the external form of a turtle and a snake.

Examination of the structure of a bird.

Study of the skeleton, and also of the teeth of a cat or dog.

Study of the crayfish as a type of the Arthropods.

Comparison of the crayfish with an insect (grasshopper, cricket, or cockroach); also with a millipede and a spider.

Examination of an earthworm.

Study of a fresh-water mussel.

The principles of zoological nomenclature as illustrated by some of the common fresh-water fish, such as the sucker and herring, bass and perch.

Study of an amœba, or paramœcium as a type of unicellular animal.

The modifications of the form of the body in vertebrates in connection with different methods of locomotion. The natural habits of the various animals examined.

2. ELEMENTS OF BOTANY: The examination will test whether the candidate has practically studied representatives of the flowering plants of the locality in which the preparatory school is situated, and representatives of the chief subdivisions of cryptogams, such as a fern, a lycopod, a horsetail, a liverwort, a moss, a lichen, a mushroom and a chara.

An elementary knowledge of the microscopic structure of the bean and the maize. Attention will be given in the examination to drawing and description of parts of plants supplied, and to their classification. Comparison of different organs, morphology of root, stem, leaves and hair, parts of the flower, reproduction of flowering plants, pollination, fertilization and the nature of fruit and seeds.

A practical examination shall be held in connection with this subject. The material for examination will consist of two plants, a microscopic section and an animal.

Two examination papers.



## UNDERGRADUATE GENERAL COURSE.

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The subjects to be taken by those pursuing the General Course, with the options permitted, are set forth in the following schedule:—

FIRST YEAR....English; Latin; any two of the following languages, viz., Greek, French, German, Hebrew; Ancient History, Mathematics; Physics *or* Biology.

SECOND YEAR....English; Latin; any two of the following languages, viz., Greek, French, German, Hebrew; Mediæval History; Logic; Psychology; Chemistry *or* Geology.

THIRD YEAR....English; Latin; any two of the following languages, viz., Greek, French, German, Hebrew; Modern History as for Honours; English Constitutional History; Ethics; Physics.

FOURTH YEAR....English; Latin; any two of the following languages, viz., Greek, French, German, Hebrew; Modern History as for Honours; Economics; Canadian Constitutional History; History of Philosophy; Astronomy.

NOTE.—Students who completed the examination of the First year in Arts with Greek as the optional language, under the curriculum of 1891-1895 will be allowed to take, in the Second, Third and Fourth years, one of the languages:—French, German, Hebrew, as prescribed for students of the First, Second and Third years respectively. Students entering the University at the beginning of the Second year shall be allowed to take the Hebrew of the First, Second and Third years in the Second, Third and Fourth years respectively.

### First Year.

#### English.

SHAKESPEARE.—Critical reading of the following plays:—

1903: As You Like It, Lear.

1904: Romeo and Juliet. Coriolanus.

COMPOSITION: The writing of at least four original compositions in connection with the study of models of prose style. There will be no examination on this portion of the work, but the marks assigned for compositions written during the term will count as Term Work. Provision will be made by a special paper in English composition for the examination of candidates for Senior Matriculation who are not in attendance, and who have not presented the essays required.

### Greek.

1903: HOMER, *Odyssey*, Books XVII., XVIII.; LUCIAN, *Timon*; LYSIAS, *Pro Mantis theos* and *de Invalido*.

1904: HOMER, *Odyssey*, Books XIX., XX.; LUCIAN, *Timon*; LYSIAS, *Pro Mantis theos* and *de Invalido*.

Greek Grammar; translation at sight of easy passages of Greek; translation from English into Greek, involving a knowledge of Fletcher and Nicholson's *Greek Prose Exercises* (1-40 inclusive).

### Latin.

Translation at sight of an easy prose author.

Translation into Latin of sentences based upon Fletcher and Henderson's *Latin Prose Composition*, Ex. 1-40.

Translation into Latin of simple continuous narrative, based on the first twenty-five chapters of the prescribed Cicero.

1903: HORACE, *Odes* III. and IV.; CICERO, *Philippic* XIV. (Harper's Text), *Pro Marcello*, *Pro Lege Manilia*.

1904: HORACE, *Odes* III., IV.; CICERO, *In Catilinam* I., III., IV.

Questions on Grammar and Prosody and on the subject-matter of the books will be added to the author papers.

### French.

Grammar; dictation; translation from English into French.

Translation at sight from easy modern French prose, and an examination on *Le Tour de la France*, par G. Bruno, pp. 5-105.

### German.

Grammar; dictation; translation from English into German.

Translation at sight from easy modern German prose, and an examination on *Van Daell*, *Preparatory German Reader*.

### Hebrew.

Essentials of Hebrew grammar; translation from English into Hebrew; outlines of ancient Semitic history and geography.

Translation into English of *Genesis* I-IV., XXIV., XL-XLII., with grammatical analysis, parsing and vocabulary.

### Ancient History.

General History of Greece (Botsford's *History of Greece*).

General History of Rome to A.D. 476 (Pelham's *Outlines of Roman History*).

**Mathematics.**

**ALGEBRA:** Simple Equations of one, two and three unknown quantities. Quadratic Equations of one and two unknown quantities; Elementary Treatment of Variation, Proportion and Progressions; Interest Forms and Annuities.

**EUCLID:** Bks. IV., VI., and definitions of Bk. V.; Deductions.

**PLANE TRIGONOMETRY:** Trigonometrical Ratios with their relations to each other; Sines, etc., of the sum and difference of angles with deduced formulas; Solution of Triangles, Expressions for the Area of Triangles; Radii of Circumscribed, Inscribed and Escribed Circles.

**Physics.**

Elementary Physics (Mechanics, Hydrostatics and Heat).

**Biology.**

Elementary Biology.

**Second Year.****English.**

**COMPOSITION:** The writing of at least four original compositions in connection with the study of models of prose style. There will be no examination on this part of the work, but marks assigned for compositions written during the term will count as Term Work.

1903: COLERIDGE, *The Ancient Mariner*, *Ode to the Departing Year*, *France*, *Dejection*, *Youth and Age*; WORDSWORTH, *Lines written above Tintern Abbey*, *Ode on Intimations of Immortality*, *Michael*, *Ode to Duty*, *To the Cuckoo*, "She was a Phantom of Delight," *To a Skylark* ("Ethereal minstrel, pilgrim of the sky"), and the following sonnets: "O Friend, I know not which way I must look," "The world is too much with us," "Milton! thou shouldst be living at this hour," "It is not to be thought of that the flood," "Scorn not the Sonnet," "Nuns fret not at their convent's narrow room," "I am not one who much or oft delight," "Wings have we, and as far as we can go," "Nor can I not believe."

1904: TENNYSON, *In Memoriam*.

**Greek.**

1903: EURIPIDES, *Medea*; PLATO, *Apology*.

1904: EURIPIDES, *Hecuba*; PLATO, *Apology*.

Greek grammar; translation at sight of easy passages of Greek; translation from English into Greek, involving a knowledge of Fletcher and Nicholson's *Greek Prose Exercises*.

### Latin.

Translation at sight of an easy prose author.

Translation into Latin of sentences based on Fletcher and Henderson's Latin Prose Composition.

Translation into Latin of simple continuous narrative based on the prescribed Livy.

LIVY: B. IV. (Prendeville and Freese); CATULLUS (Simpson's Selections).

Questions on Grammar and Prosody and on the subject-matter of the books, will be added to the author papers.

### French.

Grammar; dictation; translation from English into French.

Translation at sight from modern French prose, and an examination on L'Aide de Camp Marbot, pp. 1-101 (Longmans, Green & Co.).

### German.

Grammar; dictation; translation from English into German.

Translation at sight from modern German, and an examination on German Lyrics and Ballads, ed. Hatfield, pp. 1-48, and Auf der Sonnenseite, ed. Bernhardt.

### Hebrew.

Hebrew Grammar with special attention to syntax; translation at sight; translation of English into Hebrew.

Introduction to Hebrew literature and history.

Exodus I.-IV., XX.; Ruth; 1 Samuel, XVII.-XIX.; 1 Kings V., VIII.; 2 Kings XVI.-XIX.

### History.

The chief movements in European History from A.D. 300 to 1300, including the continuous History of the British Isles.

Essays will be required during the year, and the merits of these essays will be taken into account in determining standing in the class lists.

### Logic.

Formal and inductive.

Essays will be required during the year, and the merits of these essays will be taken into account in determining standing in the class lists.

### Psychology.

Sensation, Thought, Emotion, Volition.

Essays will be required during the year, and the merits of these essays will be taken into account in determining standing in the class lists.



**Chemistry.**

Elementary Chemistry.

**Geology.**

Elementary Geology and Physical Geography.

**Third Year.****English.**

1903: SIXTEENTH AND SEVENTEENTH CENTURY LITERATURE.—An outline of the history of literature from Wyatt and Surrey to the beginning of the Civil War, with special study of the following works:—

SPENSER, *Faerie Queen*, Book 1; SHAKESPEARE, *Richard III.*, *As You Like It*, *Othello*; BACON, *Essays on Adversity, Delays, Friendship, Discourse, Riches, Nature in Man, Youth and Age and Studies, Advancement of Learning*, Book 1; MILTON, *Sonnets*, *Areopagitica*, *Comus*, *Paradise Lost*, Books I., II., IV.

1904: EIGHTEENTH CENTURY LITERATURE.—An outline of the history of literature from Dryden to Burns, with special study of the following works:—DRYDEN, *Absalom and Achitophel*, Pt. I.; BUNYAN, *Grace Abounding*; ADDISON, *Selections in the Golden Treasury*; SWIFT, *Gulliver's Travels*, Bks. I. and II.; POPE, *Rape of the Lock*, *Prologue to the Satires*; THOMSON, *Summer*; JOHNSON, *Vanity of Human Wishes*, *Life of Pope*; GOLDSMITH, *Deserted Village*, *Vicar of Wakefield*; BURKE, *Cconciliation with America*; COWPER, *Task*, Bk. IV.; and the *Selections from Dryden, Collins, Gray and Burns, in Palgrave's Golden Treasury*, and from Cowley, Hyde, Dryden, Steele, Johnson and Gibbon in *Garnett's English Prose*.

**Greek.**

1903: ARISTOPHANES, *Frogs*; THUCYDIDES, Book IV. (Chap. 1-41 inclusive), ed. Graves; DEMOSTHENES, *Against Androtion* (Wayte).

1904: ARISTOPHANES, *Birds*; THUCYDIDES, Book IV. (1-41 inclusive), ed. Graves; DEMOSTHENES, *Against Androtion*, ed. Wayte.

Greek Grammar; translation at sight of easy passages of Greek; translation from English into Greek of easy prose passages.

**Latin.**

Latin Grammar and Composition.

Latin translation at sight.

Lectures on Roman Literature as follows:—

- 1903: (a) Pastoral Poetry: VERGIL, Eclogues I., VI., VIII., X. (Sidgwick).  
 (b) Epic Poetry: VERGIL, Æneid, Bk. IX. (Sidgwick).  
 (c) Roman Comedy: TERENCE, Phormio (Bond and Walpole).  
 (d) Roman Oratory: CICERO, Philippic I., Pro Ligario (Harper's Text).  
 1904: (a) Roman Satire: HORACE, Satires, Bk. I., 4, 6, 10; JUVENAL, Satire X.  
 (b) Didactic Poetry: LUCRETIVS, De Rerum Natura, Bk. III., 830 to end of book; VERGIL, Georgics, B. IV. (Sidgwick).  
 (c) History: TACITUS, Annals, Bk. II., Furneaux.

### French.

Grammar; dictation; translation from English into French; translation at sight from modern French.

An examination on the following texts:—

BOSSUET, Oraisons funèbres (Henriette de France); VOLTAIRE, Zadig; BERNARDIN DE SAINT-PIERRE, Paul et Virginie (Edition of Henry Holt & Co.); ALPHONSE DAUDET, le Siège de Berlin et autres Contes (Jenkins).

### German.

Grammar; dictation; pronunciation; translation from English into German; translation at sight from modern German.

1903: Outlines of the history of German literature, from 1740 to the present time.

1904: Outlines of the history of German literature to 1740.

An examination on the following texts:—

1903: GOETHE, Hermann und Dorothea; SCHILLER, Lyrical Poems, ed. Turner and Morshead; RIEHL, der Fluch der Schönheit.

1904: LESSING, Minna von Barnhelm; SCHILLER, Braut von Messina; KELLER, Kleider machen Leute; HEYSE, der verlorene Sohn.

### Hebrew.

Composition and sight translation. General introduction to the prophetic writings.

Amos I., II.; Isaiah, I.-VI., XL.-XLV.; Jeremiah VII.-IX., XXXI.; Ezekiel XIV., XXXIII.; Haggai.

History of Israel to the fall of Samaria.

### Modern History.

The chief movements in European and American History from 1300 to 1763, including the continuous history of the British Empire, and of European effort in America.

Essays will be required during the year, and the merits of these essays will be taken into account in determining standing in the class lists.

**Constitutional History.**

English Constitutional History.

**Ethics.**

Theory of Obligation; Ethical Systems.

Essays will be required during the year, and the merits of these essays will be taken into account in determining standing in the class lists.

**Physics.**

Elementary Physics (Light).

**Fourth Year.****English.**

1903: SIXTEENTH AND SEVENTEENTH CENTURY LITERATURE.—An outline of the history of literature from Wyatt and Surrey to the beginning of the Civil War, with special study of the following works:—

SPENSER, *Faerie Queen*, Book I.; SHAKESPEARE, *Richard III.*, *As You Like It*, *Othello*; BACON, *Essays on Adversity, Delays, Friendship, Discourse, Riches, Nature in Man, Youth and Age, and Studies, Advancement of Learning*, Book I.; MILTON, *Sonnets*, *Areopagitica*, *Comus*, *Paradise Lost*, Books I., II., IV.

1904: NINETEENTH CENTURY LITERATURE.—A general acquaintance with the character of the following writers, together with a special study of the specified selections:—

WORDSWORTH, *Michael*, *Tintern Abbey*; SHELLEY, *Adonais*; SCOTT, *Old Mortality*, *Lay of the Last Minstrel*; CARLYLE, *Essays on Burns*, *Biography*, *Johnson*, and *Characteristics*; MACAULAY, *Essays on Boswell's Life of Johnson*, and *Memorials of Hampden*; TENNYSON, *Enone*, *Locksley Hall*, *Ulysses*, "You ask me why," "Of old sat Freedom," "Love thou thy land," *Morte d'Arthur*, *Northern Farmer—Old Style*, *The Revenge*, *The Ancient Sage*, *Locksley Hall Sixty Years After*, *Freedom*, *To Virgil*, *The Two Greetings*; R. BROWNING, *Saul*, *Fra Lippo Lippi*, *A Grammarian's Funeral*, *My Last Duchess*, *Up at a Villa*, *Love among the Ruins*, *Two in the Campagna*, *Andrea del Sarto* *Hervé Riel*, *Abt Vogler*, *Caliban*; and the Selections in *Palgrave's Golden Treasury* from Wordsworth, Shelley and Scott.

**Greek.**

1903: SOPHOCLES, *Antigone*; PLATO, *Laws*, VII., X.

1904: SOPHOCLES, *Antigone*; PLATO, *Laws*, XI.

Greek Grammar; translation at sight of easy passages of Greek; translation from English into Greek of easy prose passages.

### Latin.

Latin Grammar and Composition.

Latin sight translation.

Lectures on Roman Literature, as follows:—

1903: (a) Pastoral Poetry: VERGIL, Eclogues, I., VI., VIII., X. (Sidgwick).

(b) Epic Poetry: VERGIL, *Æneid*, Bk. IX. (Sidgwick).

(c) Roman Comedy: TERENCE, *Phormio* (Bond and Walpole).

(a) Roman Oratory: CICERO, *Philippic I.*, *Pro Ligario* (Harper's Text).

1904: (a) Roman Satire: HORACE, *Satires*, Bk. I., 4, 6, 10; JUVENAL, *Satire X*.

(b) Didactic Poetry: LUCRETIVS, *De Rerum Natura*, Bk. III., 830 to end of book; VERGIL, *Georgics*, B. IV. (Sidgwick).

(c) History: TACITUS, *Annals*, Bk. II., *Furieux*.

Candidates of the Fourth year who have not passed in the Latin of the Third year will be required, at the B.A. Examination of 1903, to take an additional paper on the Third year work of 1902.

### French.

Grammar; dictation; translation from English into French; translation at sight from modern French.

An examination on the following texts:—

LA FONTAINE, *Fables*, Book V.; RACINE, *Andromaque*; MOLIÈRE, *les Précieuses Ridicules*; HUGO, *Hernani*; AUGIER, *le Gendre de Monsieur Poirier*; Specimens of modern French verse, pp. 144-177 (ed. H. E. Berthou, Macmillan & Co.).

### German.

Grammar; dictation; pronunciation; translation from English into German; translation at sight from modern German; outlines of the history of German literature as follows:—

1903: From 1740.

1904: To 1740.

An examination of the following texts:—

1903: LESSING, *Minna von Barnhelm*; GOETHE, *Balladen* (Golden Treasury Series); HEINE, *Prosa*, ed. Buchheim, pp. 1-128; FREYTAG, *Aus dem Staat Friedrichs des Grossen*.

1904: LESSING, *Emilia Galotti*; BURGER, SCHILLER, *Balladen* (Golden Treasury Series); GOETHE, *Sesenheim* (Heath & Co.); HEYSE, *Anfang und Ende*.



**Hebrew.**

Composition and sight translation. General principles and laws of Hebrew poetry. Introduction to the Poetical books.

Psalms I., II., VIII., XIX., XXIII., XXIV., XXIX., XLV., XC., XCIV., CXXI.-CXXVII.; Proverbs I.-IV., VIII., XXV.; Job III.-VII.; Ecclesiastes XII.; Lamentations I.

Grammar of Biblical Aramaic, with selections from the Book of Daniel. History of Israel to the Maccabæan period.

**Modern History.**

The chief movements in European and American History from 1763 to the present time, including (a) the continuous History of the British Empire and the United States, and (b) the Philosophy of History.

Essays will be required during the year, and the merits of these essays will be taken into account in determining standing in the class lists.

**Economics.**

The Elements of Economics.

**Constitutional History.**

Canadian Constitutional History.

**History of Philosophy.**

Modern Philosophy (Descartes to Kant).

Essays will be required during the year and the merits of these essays will be taken into account in determining standing in the class lists.

**Astronomy.**

The Elements of Astronomy.

## UNDERGRADUATE HONOUR COURSE.

### DEPARTMENT OF CLASSICS.

*Additional Requirements:*—Candidates in this Department are required to take the following subjects of the General Course in addition to the work prescribed below:—

FIRST YEAR....English; Mathematics; French or German or Hebrew, Physics or Biology.

SECOND YEAR....History; Psychology and Logic.

### First Year.

#### Greek.

1903: HOMER, *Odyssey*, XVII., XVIII., XIX., XX.; LUCIAN, *Timon*; LYSIAS, *Pro Mantitheo* and *de Invalido*; HERODOTUS VII. (121-end).

1904: HOMER, *Odyssey*, XIX., XX., XXI., XXII.; LUCIAN, *Timon*; LYSIAS, *Pro Mantitheo* and *de Invalido*; HERODOTUS, VII. (121-end).

Greek Grammar; translation at sight from Greek authors; translation from English into Greek Prose; Greek History (Botsford's *History of Greece*).

#### Latin.

1. Grammar, including Prosody. 2. Latin Prose Composition. 3. Sight Translation. 4. VERGIL, *Æneid*, Bks., V., VI. (Sidgwick); HORACE, *Odes* and *Carmen Sæculare*. 5. CICERO, *Pro Murena*, *Pro Milone*, *Philippicæ* II. 6. Pelham's *Outlines of Roman History*.

The questions in Grammar will be largely based on the prescribed authors; (4) and (5) will include questions on the contents, style and literary history of the books.

### Second Year.

#### Greek.

1903: EURIPIDES, *Medea*; PLATO, *Apology*; ARISTOPHANES, *Clouds*; SOPHOCLES, *Antigone*; THUCYDIDES, *Book II*.

1904: EURIPIDES, *Hecuba*; PLATO, *Apology*; ARISTOPHANES, *Frogs*; SOPHOCLES, *Antigone*; THUCYDIDES, *Book II*.

Greek Grammar; translation at sight from Greek authors; translation from English into Greek prose; Greek History to B.C. 421 (GRANT, *Age of Pericles*; Grote's *Greece*, Part II., Chaps. VI., XI., XXX., XXXI., XLV., XLVI.).

**Latin.**

1. Grammar, including Prosody. 2. Composition. 3. Sight translation. 4. LIVY, Bks. IV., V.; TACITUS, Annals, I. (Furneaux). 5. VERGIL, *Æneid*, Bks. VII., VIII., IX. (Sidgwick); HORACE, Epistles and *Ars Poetica*; CATULLUS (Simpson's Selections). 6. Roman History to B.C. 266 (Mommsen, Bks. I., II., and Fustel de Coulanges' *La Cité Antique*).

In connection with (5) students will read Sellar's Catullus in "The Roman Poets of the Republic," and Sellar's Horace in "The Roman Poets of the Augustan Age."

**Third Year.****Greek.**

1. PLATO, Republic, Books I.-IV. 2. ARISTOTLE, Ethics, Books I.-IV., and Book X., Chap. VI. to the end. 3. THUCYDIDES, Book V. 4. PINDAR, Olympian Odes, I., II., VI., VII. 5. SOPHOCLES, *Œdipus Rex*. 6. ARISTOPHANES, THUCYDIDES and DEMOSTHENES, as follows:—

1903: ARISTOPHANES, *Frogs*; THUCYDIDES, Book IV., (Chap. 1-41, inclusive), ed. Graves; DEMOSTHENES, *Against Androtion* (Wayte).

1904: ARISTOPHANES, *Birds*; THUCYDIDES, Book IV. (1-41, inclusive); ed. Graves; DEMOSTHENES, *Against Androtion*, ed. Wayte.

Greek Grammar and Philology (King and Cookson's Introduction, omitting syntax); translation at sight from Greek authors; translation from English into Greek prose; Greek History from B.C. 421 to B.C. 362; Grote's History of Greece, Chaps. LXVII. and LXVIII.; Greek Philosophy, up to Aristotle (Mayor's History of Ancient Philosophy; but the questions will be chiefly based on the books read).

**Latin.**

1. Grammar and Philology (King & Cookson's Introduction, omitting Syntax). 2. Latin Prose Composition. 3. Latin Sight Translation. 4. Roman History from B.C. 266 to B.C. 78 (Mommsen, Bks. III., IV.). 5. Roman Satire: HORACE, Satires; PERSIUS, Satire I.; JUVENAL, Satires I.-XIII. (omitting II., IV., VI., IX.). 6. PLAUTUS, *Captivi*; TERENCE, *Andria*; VERGIL, *Æneid*, X., XI., XII. (Sidgwick). 7. CICERO, *De Finibus*, Bks. I., II. (with the outlines of the Stoic and the Epicurean Philosophy). 8. TACITUS, Annals, Bks., I., II., III. (with an introduction to the History of the Roman Principate).

NOTE.—Candidates are recommended to read with (5) SELLAR'S Horace, and INGE'S *Society in Rome under the Cæsars*; and with (6) SELLAR'S *Roman Poets of the Republic*, Chap. VI., VII.

## Fourth Year.

## Greek.

1. Prose Composition. 2. Sight translation. 3. ÆSCHYLUS, Agamemnon; HOMER, Iliad, I., VI., XVIII., XXII.-XXIV; THEOCRITUS, Idylls, I., IV., VII., VIII., XIII., XV., XXI. 4. PLATO, Republic. 5. THUCYDIDES, I., II., III., V., VI., VII.; HERODOTUS, VII., VIII., IX. 6. ARISTOTLE, Ethics, I.-IV. and Bk. X., Chap. 6 to end; Politics, II.; Greek History: the questions will be based on the authors read and on the period covered by these authors, and on Grote's History, Part I., Chaps. XV., XVI., XVII., XX., XXI. 7. Greek Philosophy: questions will be based on the prescribed portions of Plato and Aristotle, and on Greek Philosophy generally up to Aristotle's time; Weber's History of Philosophy, Part I. (translated by Thilly). 8. ARISTOTLE, Poetics, with the history of the Greek genius and Greek poetry, so far as covered by the following books: Butcher's Aspects of Greek Genius (2nd edition), Matthew Arnold's Essays on translating Homer, Butcher's Essays in his edition of the Poetics, Jebb's Growth and Influence of Classical Greek Poetry, Moulton's Ancient Classical Drama. 9. ARISTOTLE's Politics, Books IV. and V. (Newman's Edition), with questions on Fustel de Coulanges' La Cité Antique and Newman's Introduction to the Politics of Aristotle, Vol. I.; or, Comparative Syntax, Greek and Latin (*vide* Latin course below for details).

## Latin.

1. Latin Prose Composition. 2. Latin Sight Translation. 3. Roman History from B.C. 78 to A.D. 37 (Mommsen Bk. V.; Merivale, Vols. III., IV., V.). 4. SALLUST, Catiline; CICERO, Epistles (Watson's Selection); TACITUS, Annals, Bks. I.-VI.; Monumentum Ancyranum (Mommsen, second edition). 5. LUCRETIVUS, Bks. I., III., V., and VERGIL, Bucolics, Georgics and Æneid. 6. QUINTILIAN, Bk. X. (with the History of Roman Poetry to A.D. 120, with special reference to the influence of Roman upon English Literature). 7. CICERO, De Finibus, Bks. I.-IV.; Académica (Reid). 8. Post-Aristotelian Philosophy (Zeller's Stoics, Epicureans and Skeptics; Zeller's Eclectics, Chaps. IV., V.; Weber). 9. (As an option with Sec. 9 of the Greek course above) Lectures on the Descriptive and Comparative Syntax of the Greek and Latin languages, as follows: (*a*) the substantive, number, gender and case; (*b*) the verb, voice, mood and tense; (*c*) particles and prepositions. Students will use Thompson's Greek Syntax, Goodwin's Greek Moods and Tenses, Gildersleeve's Latin Grammar, Roby's Latin Grammar, Bennett's Appendix.

NOTE.—With (4) candidates are recommended to read BOISSIER'S L'Opposition sous les Césars and La Religion romaine. With (5) and (6) candidates are recommended to read SELLAR'S Roman Poets of the Republic, Chaps. XI.-XIV.; SELLAR'S Vergil; MYERS' Essay on Vergil; TYRRELL'S Roman Poetry; MACKAIL'S Roman Literature.



NOTE.—The Education Department of Ontario accepts an honour degree of the University of Toronto obtained in the above course as the non-professional qualification for specialists standing in the department of Classics.

## DEPARTMENT OF MODERN LANGUAGES.

*Additional Requirements:*—Candidates in this department are required to take the following subjects of the General Course in addition to the work prescribed below:—

FIRST YEAR....Latin; Mathematics; Physics or Biology.

SECOND YEAR....Latin; History; Psychology.

THIRD YEAR....History

*Term Work in Honours:*—Every candidate for Honours in this department shall, during the Fourth year of his course, write an essay on some subject connected with the work of the department, such subject to be previously approved by the professor of the branch of study selected by the candidate. This essay shall, on or before the 1st of April in each year, be laid before the Professors and Lecturers in the Department of Modern Languages in the University of Toronto, University College and Victoria University, who shall examine the essay and assign marks according to their judgment of its merit. These marks shall be reported to the Registrar, and shall be taken into account by the Examiners in determining the standing of the candidate at the Examination of the Fourth year.

In determining the standing of candidates in French, German, Italian and Spanish, examiners shall take into account the report of the instructors in the University and Colleges in the above subjects regarding the proficiency of candidates in the practical use of these languages.

*Options in Honours:*—Candidates for Honours in this department are allowed options in the various years, according to the following schedule:

SECOND YEAR....Italian or Spanish.

SECOND YEAR....Italian or Spanish.

THIRD YEAR....Italian or Spanish or Honour Modern History (the last option being necessary for specialist standing, Education Department).

FOURTH YEAR....Old English or Italian or Spanish or Honour Modern History, together with a paper on Historical English Grammar (the last option being necessary for specialist standing, Education Department).

## First Year.

### Phonetics.

An elementary knowledge of physiological phonetics will be required, and of its bearing upon the sounds of the various languages studied.

### English.

SHAKESPEARE: Critical reading of the following plays:—

1903: *As You Like It*, *Lear*, *Henry IV.*, Pt. I.

1904: *Romeo and Juliet*, *Coriolanus*, *The Tempest*.

COMPOSITION: The writing of at least four original compositions in connection with the study of models of prose style. There will be no examination on this portion of the work, but the marks assigned for compositions written during the term will count as one paper at the Annual Examinations.

PROSE AND RHETORIC: Reading of the following selections in connection with the study of Rhetoric:—

Garnett's *English Prose*, Selections from Scott to Carlyle, inclusive, omitting those from Southey and Landor.

### French.

Grammar; pronunciation; translation from English into French.

Translation at sight from modern French and an examination on G. E. Fasnacht's *Select Specimens of the Great French Writers*: pp. 289-293; 296-299; 336-344; 352-357; 367-374; 380-385; 386-390; 405-409; 416-421; 430-436; 455-465; 479-481; 485-486; 506-509; 513-516; 525-528; 532-540; 543-547; 554-561; 564-568; 576-581; 583-587 (Macmillan).

### German.

Grammar; dictation; pronunciation; translation from English into German; translation at sight from modern German.

1903: *Outlines of the History of German literature from 1740 to the present time.*

1904: *Outlines of the history of German literature to 1740.*

### Italian.

A written examination on grammar; the translation of easy passages from English into Italian; the translation at sight of easy modern Italian prose; dictation.

An oral examination in Italian, as a test of pronunciation and of ability to understand easy modern narrative and to answer questions based thereon.

**Spanish.**

A written examination on grammar; the translation of easy passages from English into Spanish; the translation at sight of easy modern Spanish prose; dictation.

An oral examination in Spanish, as a test of pronunciation and of ability to understand easy modern narrative and to answer questions based thereon.

**Second Year.****English.**

COMPOSITION: The writing of at least four original compositions in connection with the study of models of prose style. There will be no examination on this part of the work, but marks assigned for compositions written during the term will count as one paper at the Annual Examinations.

VERSIFICATION: A knowledge of elementary principles, such as is to be found in Gummere's *Poetics*, Part III.

1903: COLERIDGE, *The Ancient Mariner*, *Ode to the Departing Year*, *France*, *Dejection*, *Youth and Age*; WORDSWORTH, *Lines written above Tintern Abbey*, *Ode on Intimations of Immortality*, *Michael*, *Ode to Duty*, *To the Cuckoo*, "She was a Phantom of Delight," *To a Skylark* ("Ethereal minstrel, pilgrim of the sky"), and the following sonnets: "O Friend, I know not which way I must look," "The world is too much with us," "Milton! thou shouldst be living at this hour," "It is not to be thought of that the flood," "Scorn not the Sonnet," "Nuns fret not at their convent's narrow room," "I am not one who much or oft delight," "Wings have we, and as far as we can go," "Nor can I not believe"; CHAUCER, *Prologue*, *Nun's Priest's Tale*, *Squire's Tale* (Chaucer, *Selections from Canterbury Tales*, ed. Corson); RUSKIN, *A Crown of Wild Olives*; THACKERAY, *The following essays from Roundabout Papers: Nil Nisi Bonum, De Finibus, Roundabout the Christmas Tree, On Lett's Diary, The Last Sketch.*

1904: TENNYSON, *In Memoriam*; JANE AUSTEN, *Pride and Prejudice*; SCOTT, *Ivanhoe*; DICKENS, *David Copperfield*; THACKERAY, *Esmond*; GEORGE ELIOT, *Silas Marner*.

**French.**

Grammar; composition and conversation in French; translation from English into French; translation at sight from modern French.

History of French literature in the 17th century, and outlines of the preceding periods.

An examination on the following texts:—

CORNEILLE, *Cinna*; RACINE, *Andromaque*; LA FONTAINE, *Fables*, Book III.; LA BRUYÈRE, *Caractères* (des ouvrages de l'esprit); BOSSUET, *Oraisons funèbres* (Louis de Bourbon); MOLIÈRE, *les Fâcheux*, *le Misanthrope*, *le Tartuffe*; BOILEAU, *l'Art poétique*, Cantos I. and II.

**German.**

Grammar; dictation; an oral examination; translation from English into German; translation at sight.

1903: Outlines of the history of German literature from 1740 to the present time.

1904: Outlines of the history of German literature to 1740.

An examination of the following texts:—

1903: LESSING, *Minna von Barnhelm*; GOETHE, *Balladen* (Golden Treasury Series); HEINE, *Prosa*, ed. Buchheim, pp. 1-128; FREYTAG, *Aus dem Staat Friedrichs des Grossen*.

1904: LESSING, *Emilia Galotti*; BURGER, SCHILLER, *Balladen* (Golden Treasury Series); GOETHE, *Sesenheim* (Heath & Co.); HEYSE, *Aufang und Ende*.

**Italian.**

A written examination on grammar; the translation of English into Italian; the translation at sight of modern Italian; dictation; composition in Italian on familiar topics; outlines of the history of Italian literature.

An oral examination in Italian, as a test of pronunciation and of ability to understand modern prose and to answer questions based thereon.

**Spanish.**

A written examination on grammar; the translation of English into Spanish; the translation at sight of modern Spanish; dictation; composition in Spanish on familiar topics; outlines of the history of Spanish literature.

An oral examination in Spanish, as a test of pronunciation and of ability to understand modern prose and to answer questions based thereon.

**Third Year.****English.**

COMPOSITION: The writing during the term of at least four original essays upon subjects connected with the work in literature. The marks assigned to these essays will be taken into account in determining Honour standing.

1903: SIXTEENTH AND SEVENTEENTH CENTURY LITERATURE.—An outline of the history of literature from Wyatt and Surrey to the beginning of the Civil Wars, with special study of the following works:—

SPENSER, *Faerie Queen*, Book I.; SHAKESPEARE, *Richard III.*, *As You Like It*, *Othello*; BACON, *Essays on Adversity, Delays, Friendship, Discourse, Riches, Nature in Man, Youth and Age, Studies; Advancement of Learning*, Book I.; MILTON, *Sonnets*, *Areopagitica*, *Comus*, *Paradise*



Lost, Books I., II., IV.; together with the selections from Wyatt, Surrey, Sidney, Marlowe, Shakespeare, Elizabethan Miscellanies, Chapman, and Donne, in Ward's English Poets, Vol. I., and the extracts from Lyly to Milton (inclusive) contained in Garnett's English Prose Selections.

OLD ENGLISH: Cook's First Book of Old English (Ginn & Co.).

1904. EIGHTEENTH CENTURY LITERATURE.—An outline of the History of literature from Dryden to Burns, with special study of the following works:—

DRYDEN, Absalom and Achitophel, Pt. I.; BUNYAN, Grace Abounding; ADDISON, Selections in the Golden Treasury; SWIFT, Gulliver's Travels, Bks. I. and II.; POPE, Rape of the Lock, Prologue to the Satires; THOMSON, Summer; JOHNSON, Vanity of Human Wishes, Life of Pope; GOLDSMITH, Deserted Village, Vicar of Wakefield; BURKE, Conciliation with America; COWPER, Task, Bk. IV.; and the Selections from Dryden, Collins, Gray and Burns, in Palgrave's Golden Treasury, and from Cowley, Hyde, Dryden, Steele, Johnson and Gibbon, in Garnett's English Prose.

OLD ENGLISH: Cook's First Book of Old English (Ginn & Co.).

### French.

Grammar; composition and conversation in French; translation from English into French; translation at sight from modern French; Old French Grammar; elements of French phonology; history of French literature during the 18th century. An examination on the following texts:—

FONTENELLE, Entretiens sur la pluralité des Mondes, I., II., III.; LE SAGE, Gil Blas, pp. 1-112 (ed. Cohn and Sanderson, Heath & Co.); VOLT-AIRE, Zaïre, Zadig; ROUSSEAU, Pages choisies des grands Ecrivains, J.-J. Rousseau, par Rocheblave, Parts III. and IV.; DIDEROT, Extraits à l'usage des classes supérieures, par Fallex, Belles-Lettres; BEAUM-ARCHIAS, le Barbier de Séville; ANDRÉ CHÉNIER, Poésies choisies, à l'usage des classes, par Beeq de Fouquières, Hymnes et Odes; CHATE-AUBRIAND, Atala; MADAME DE STAEL, de l'Allemagne, Part I.; CHANSON, DE ROLAND, lines 1-365 (Clédât's edition).

### German.

Grammar; an oral examination, which shall also test the candidate's ability to carry on a simple conversation in German; translation at sight; translation from English into German, and an original essay in German; a general acquaintance with German literature from Gottsched to the death of Schiller, with special reference to the following authors and works:—

1903: LESSING, Minna von Barnhelm, Nathan der Weise; SCHILLER, Lyrical Poems (Turner and Morshead); GOETHE, Leiden des jungen Werthers, Poems (ed. Harris, Nos. 1-90, 93, 101, 103, 108, 116, 117,

122, 133), Faust, Part I. (the edition of Calvin Thomas, published by D. C. Heath & Co., is recommended), and a knowledge of the plan of Part II.

1904: WIELAND, Oberon, 8 and 9; LESSING, Prosa (ed. White, II. and V.); BURGER, SCHILLER, Balladen (Golden Treasury Series); SCHILLER, K bale und Liebe, Wilhelm Tell; GOETHE, Poems (ed. Harris, Nos. 1-90, 93, 101, 103, 108, 116, 117, 122, 133); Iphigenie, Herman and Dorothea.

### Italian.

A written examination on grammar; the translation of Italian at sight; dictation; history of Italian literature to the end of the 15th century; and on the following texts:—

DANTE, Inferno, Cantos I-V., and Purgatorio, Cantos I., II. IX., X., XXX.; PETRARCA, extracts in Torracca's Manuale (3rd ed.), Vol. I., pp. 233-34 (sonnets Nos. 3, 12, 22), pp. 242-43 (canzone, No. 11), pp. 245-47 (sonnets Nos. 88, 89, 90, 108, 110, 137), pp. 257-60 (canzone, No. 4), pp. 262-64 (Trionfo della Morte); BOCCACCIO, extracts in Torracca's Manuale, Vol. I., pp. 332-43, 348-53, 364-67; extracts from various authors, beginning on the following pages of Torracca's Manuale, Vol. I.: 28, 31 (1st ext.), 38 (1st ext.), 52, 56 (last ext.), 59, 66 (2nd ext.), 72 (2nd ext.), 81, 92 (1st ext.), 107, 217, 264 (last sonnet), 267 (Deh fammi, etc.), 281, 302, 371, 392 (prose), 425, 429-30 (Se in tutto, etc.), 440-42 (Pietà...ferma), 444 (Rispetti Nos. 73, 78), 459-60 (E come, etc....morto), 488 (prose), 490-92 (Vuoi cantar, etc.), 511-13 (Mentre che, etc....rivelato).

An oral examination in Italian, as a test of pronunciation and of ability to understand modern prose and to answer questions based thereon.

### Spanish.

A written examination on grammar; the translation of Spanish at sight; dictation; history of Spanish literature to the death of Cervantes, exclusive of the drama; and on the following texts:—

CERVANTES, Don Quijote, Part I., Chaps. I.-X.; extracts from various authors in the Manual de Literatura de H. Giner de los R os, Primera Parte, beginning on the following pages: 15 (2 exts.), 21, 22, 24, 26, 34 (1st ext.), 36 (2 prose exts.), 39-40, 44-48, 51, 52, 55, 58, 60 (2 exts.), 61 (1st ext.), 64, 65, 66, 69, 79, 82, 83 (1st ext.), 85, 86 (2nd ext.), 93, 113 (2 exts.), 120-122, 129 (1st ext.), 135, 136 (1st ext.), 139; extracts from various authors in Keller's Altspanisches Lesebuch, beginning on the following pages: 1 (209 ll.), 50, 55, 68-71 (2 exts.), 88-91 (2 exts.), 106, 111, 130-131 (Yra....sal).

An oral examination in Spanish, as a test of pronunciation and of ability to understand modern prose and to answer questions based thereon.

## Fourth Year.

### English.

1903: SIXTEENTH AND SEVENTEENTH CENTURY LITERATURE.—An outline of the history of literature from Wyatt and Surrey to the beginning of the Civil Wars, with special study of the following works:—

SPENSER, *Faerie Queen*, Book I.; SHAKESPEARE, Richard III., *As You Like It*, *Othello*; BACON, *Essays on Adversity, Delays, Friendship, Discourse, Riches, Nature in Man, Youth and Age, and Studies; Advancement of Learning*, Book I.; MILTON, *Sonnets, Areopagitica, Comus, Paradise Lost*, Books I., II., IV.; together with the extracts from Wyatt, Surrey, Sidney, Marlowe, Shakespeare, Elizabethan Miscellanies, Chapman and Donne in Ward's *English Poets*, Vol. I., and the extracts from Lyly to Milton (inclusive) contained in Garnett's *English Prose*.

THE HISTORY OF THE ENGLISH DRAMA from its origin to the death of Shakespeare.

The following works are to be studied critically: SHAKESPEARE, *Romeo and Juliet*, *Hamlet*.

The following works are to be read carefully: Pollard's *Miracle Plays*, the selections entitled *The Fall of Lucifer, Noah's Flood, The Sacrifice of Isaac, The Pardoner and the Frere; Gorbodue; MARLOWE, Tamburlaine, Pt. I., and Edward II.; SHAKESPEARE, Love's Labor Lost, Midsummer Night's Dream; JONSON, Every Man in His Humour; MILTON, Samson Agonistes*.

NINETEENTH CENTURY LITERATURE.—BROWNING: A general knowledge of *The Ring and the Book*, and a more intimate acquaintance with Books I., V., VI. and XI.

OLD ENGLISH: CAEDMON, *Exodus and Daniel* (Ginn & Co.); *Historical Grammar*, and Sweet's *Second Middle English Primer*.

1904: NINETEENTH CENTURY LITERATURE.—A general acquaintance with the works of the following writers, together with a special study of the specified selections:—

WORDSWORTH, *Michael, Tintern Abbey*; SCOTT, *Old Mortality, Lay of the Last Minstrel*; SHELLEY, *Adonais*; CARLYLE, *Essays on Burns, Johnson, Biography, Characteristics*; MACAULAY, *Essay on Boswell's Life of Johnson and Memorials of Hampden*; TENNYSON, "You ask me why," "Of old sat Freedom," "Love thou thy land," *Cenone, Locksley Hall, Ulysses, Morte d'Arthur, Northern Farmer—Old Style, The Revenge, The Ancient Sage, Locksley Hall Sixty Years After, Freedom, To Virgil, The Two Greetings*; BROWNING, *Saul, Fra Lippo Lippi, A Grammarian's Funeral, My Last Duchess, Up at a Villa, Love among the Ruins, Two in the Campagna, Andrea del Sarto, Hervé Riel, Abt Vogler, Caliban*; and the Selections from Wordsworth, Scott and Shelley in *Palgrave's Golden Treasury*.

THE HISTORY OF THE ENGLISH DRAMA from its origin to the death of Shakespeare.

The following works are to be studied critically: SHAKESPEARE, *Much Ado About Nothing*, *Hamlet*, *Lear*, *Henry VIII.*

The following works are to be read carefully: *Creation and Fall II.*, *Abraham and Isaac*, *The Second Shepherd's Play*, *The Four PP. I.*, *Campaspe*, *The Spanish Tragedy* (all these are contained in *Manly, Specimens of the Pre-Shakespearian Drama*); MARLOWE, *Tamburlaine*, *Pt. I.*, *Edward II.*; BEN JONSON, *Every Man in His Humour*; SHAKESPEARE, *Love's Labor Lost*; *King John*, *Henry IV.*, *Pts. I. and II.*, *Antony and Cleopatra*; MILTON, *Comus*, *Samson Agonistes*.

OLD ENGLISH: *BEOWULF*, ll. 1-1250, to be studied critically in the original; a general knowledge of the remainder of the poem will be expected, which may be gained from Hall's, Earle's or Garnett's translation; *Historical Grammar*, and Sweet's *Second Middle English Primer*.

### French.

Grammar; composition and conversation in French; translation from English into French; translation at sight from French authors of any period; history of the French language; history of French literature during the 19th century.

An examination on the following texts:—

LAMARTINE, *Premières Méditations poétiques*, Nos. I., IV., VI., VII., VIII., IX., XIII., XVII., XXV., XXVI., XXIX., XXX. (Lemerre); HUGO, *Chants du Crépuscule*, I.-XX., *Notre-Dame de Paris*, *Hernani*; BALZAC, *Eugénie Grandet* (Calmann Lévy); DUMAS (fils), *la Question d'Argent* (Heath & Co.); GEORGE SAND, *la petite Fadette* (Bôcher's Edition, Holt & Co.); ALPHONSE DAUDET, *Tartarin sur les Alpes* (Collection Guillaume, Marpon et Flammarion); SAINTE-BEUVE, *Portraits littéraires*, Vol. II., *Article on Molière*; LECONTE DE LISLE, *Poèmes barbares*, pp. 1-55, 166-217 (Lemerre); MAUPASSANT, *Huit contes choisis* (Heath & Co.).

### German.

Grammar; an oral examination as in the Third year; translation at sight; translation from English into German; a general acquaintance with the German literature of the 19th century, with special reference to the following authors and works:—

1903: SCHILLER, *Braut von Messina*; GOETHE, *Faust*, Part I., Part II., Acts IV., V. (edition of Calvin Thomas is recommended); GRILLPARZER, *Sappho*; HEBEL, *Maria Magdalene*; UHLAND, *Balladen* (Golden Treasury Series); HEINE, *Selected Poems* (ed. White); HEYSE, *Hans Lange*; SUDERMANN, *Frau Sorge*.

1904: SCHILLER, *Wallenstein's Tod*; KLEIST, *Prinz von Homburg*; HEINE, *Prose* (Clarendon Press); HEBEL, *Herodes und Mariamne*; FREYTAG, *aus dem Jahrhundert des grossen Krieges* (ed. Rhoades); FRON-



TAINÉ, Greta Minde; *Deutsche Gedichte* (ed. von Klenze), pp. 131, omitting selections from Uhland, Heine and Grün.

Elements of Middle High German grammar; history of Middle High German literature; an examination on the following texts:—

1903: *Nibelungenlied* (Bartsch), *Avv. I.*, V., XVI., XXIX., XXXIX.

1904: Walther von der Vogelweide (ed. Pfeiffer), *Select Poems*, Nos. 1, 2, 4, 7, 9, 14, 18, 20, 24, 25, 32, 34, 36, 37, 39, 53, 60, 61, 66, 69, 71-75, 77, 81-83, 85, 87, 88, 97, 99-101, 109, 110, 113, 115-117, 127, 128, 134, 137, 148-151, 154, 166, 167, 172, 181, 188.

History of the German language.

### Italian.

A written examination on grammar; the translation of Italian at sight; dictation; history of Italian literature from Ariosto, inclusive, to the present time; the elements of historical phonology; and on the following texts:—

ARIOSTO, in *Torraca's Manuale* (3rd ed.), Vol. II., pp. 17-19 (22 stanzas), 24-30; TASSO, in *Torraca's Manuale*, Vol. II., 142-43, 171-173 (...lice), 176-177, 179-82 (Ma, poi...strano), 183-86 (Signor, non ...croce), 188-92 (Qual lupo ...voto); extracts from various authors, on the following pages of *Torraca's Manuale*, Vol. II.: 125, 131, 198 (1st ext.), 214-15 (Crin d'oro....posso), 218 (two sonnets), 222 (1st sonnet), 238 (2nd sonnet), 241 (Chiome....mia), 253-57, 283-4 (Nos. 6-46), 331, 342, 354 (1st ext.); and of Vol. III., on the following pages: 10-12, 47-8 (12 stanzas), 62-64 (La Fama....consorte); 96 (Qual madre ...concede); 173-4, 211, 234, 240-42, 288-90, 317-319, 374-5 (Poi....morio), 407-9 (A egregie....canto), 481, 499-504, 517, 568-71 (La donzelletta....scrittori).

An oral examination in Italian, as a test of pronunciation and of ability to understand prose or verse not earlier than Ariosto, and to answer questions based thereon.

### Spanish.

A written examination on grammar; the translation of Spanish at sight; dictation; history of Spanish literature from 1600 to the present time, including also the history of the drama previous to that date; the elements of historical phonology; and on the following texts:—

CALDERON, *La Vida es Sueño*; extracts from various authors in the *Curso de Literatura de H. Giner de los Ríos* (Primera Parte), beginning on the following pages: 27-30, 31, 105, 108, 112, 116, 117, 147, 155 (2nd ext.), 160, 161, 167, 174-176, 180, 185-187, 192 (1st ext.), 197, 202, 235, 240, 245 (1st ext.), 256, 259 (1st ext.), 265, 279, 285, 290, 320, 359 (2nd ext.), 366; and the extracts beginning on the following pages of Keller's *Altspanisches Lesabuch*: 8-10, 119-22.

An oral examination in Spanish, as a test of pronunciation and of ability to understand Spanish prose or verse not earlier than Cervantes, and to answer questions based thereon.

NOTE.—The Education Department of Ontario accepts an honour degree of the University of Toronto, obtained in the above course, as the non-professional qualification for specialist standing in the department of Modern Languages and History. See option at head of course.

## DEPARTMENT OF ENGLISH AND HISTORY.

*Additional Requirements:*—Candidates in this Department are required to take the following subjects of the General Course in addition to the work prescribed below:—

FIRST YEAR....French or German or Italian or Hebrew; Mathematics; Biology or Physics.

SECOND YEAR....The language of the Second year selected in the First year; Psychology.

### First Year.

#### English.

SHAKESPEARE: Critical reading of the following plays:—

1903: As You Like It, Lear, Henry IV., Pt. I.

1904: Romeo and Juliet, Coriolanus, The Tempest.

COMPOSITION: The writing of at least four original compositions in connection with the study of models of prose style. There will be no examination on this portion of the work, but the marks assigned for compositions written during the term will count as one paper at the Annual Examinations.

PROSE AND RHETORIC: Reading of the following selections in connection with the study of Rhetoric:—

Garnett's English Prose, selections from Scott to Carlyle, inclusive, omitting those from Southey and Landor.

#### †Greek.

1903: HOMER, Odyssey XVII., XVIII., XIX., XX.; HERODOTUS, Book VII., 121 to end.

1904: HOMER, Odyssey XIX., XX., XXI., XXII.; HERODOTUS, Book VII. (121-end).

Greek Grammar; translation at sight from Greek authors; translation from English into Greek prose; Greek History (Botsford's History of Greece).

† In the Greek and Latin subjects of this course the same examination papers will be set as in the corresponding subjects of the Classical Honour course, and the standard required will be the same.

## †Latin.

1. Grammar (including Prosody). 2. Latin Prose Composition. 3. Sight Translation. 4. VERGIL, *Æneid*, Bks. V., VI. (Sidgwick); HORACE, *Odes* and *Carmen Sæculare*. 5. CICERO, *Pro Murena*, *Pro Milone*, *Philippic II.* 6. Pelham's *Outlines of Roman History* (to A.D. 476).

The questions in Grammar will be largely based on the prescribed authors; (4) will include questions on the contents, style and literary history of the books.

## Second Year.

## English.

COMPOSITION: The writing of at least four original compositions in connection with the study of models of prose style. There will be no examination on this part of the work, but marks assigned for compositions written during the term will count as one paper at the Annual Examinations.

VERSIFICATION: A knowledge of elementary principles, such as is to be found in Gummere's *Poetics*, Part III.

1903: COLERIDGE, *The Ancient Mariner*, *Ode to the Departing Year*, *France*, *Dejection*, *Youth and Age*; WORDSWORTH, *Lines written above Tintern Abbey*, *Ode on Intimations of Immortality*, *Michael*, *Ode to Duty*, *To the Cuckoo*, "She was a Phantom of Delight," *To a Skylark* ("Ethereal minstrel, pilgrim of the sky"), and the following sonnets: "O Friend, I know not which way I must look," "The world is too much with us," "Milton! thou shouldst be living at this hour," "It is not to be thought of that the flood," "Scorn not the Sonnet," "Nuns fret not at their convent's narrow room," "I am not one who much or oft delight," "Wings have we, and as far as we can go," "Nor can I not believe"; CHAUCER, *Prologue*, *Nun's Priest's Tale*, and *Squire's Tale* (Chaucer, *Selections from Canterbury Tales*, ed. Corson); RUSKIN, *A Crown of Wild Olives*; THACKERAY, *The following essays from Roundabout Papers: Nil Nisi Bonum, De Finibus, Roundabout the Christmas Tree, On Lett's Diary, The Last Sketch.*

1904: TENNYSON, *In Memoriam*; JANE AUSTEN, *Pride and Prejudice*; SCOTT, *Ivanhoe*; DICKENS, *David Copperfield*; THACKERAY, *Esmond*; GEORGE ELIOT, *Silas Marner*.

## †Greek.

Translation at sight from Greek authors; translation from English into Greek prose.

1904: EURIPIDES, *Hecuba*, PLATO, *Apology*; THUCYDIDES, *Book II.*

1904. EURIPIDES, *Hecuba*; PLATO, *Apology*; THUCYDIDES, *Book II.*

† In the Greek and Latin subjects of this course the same examination papers will be set as in the corresponding subjects of the Classical Honour course, and the standard required will be the same.

**\* Latin.**

1. Latin Prose Composition. 2. Sight Translation. 3. VERGIL, *Æneid*, Bks. VII., VIII., IX. (Sidgwick); HORACE, *Epistles* and *Ars Poetica*; CATULLUS (Simpson's Selections). 4. LIVY, Bks. IV., V. Students will read Sellar's Horace in "The Roman Poets of the Augustan Age," and Sellar's Catullus in "The Roman Poets of the Republic."

**History.**

The chief movements in European History 300 A.D. to 1300, including (a) the continuous History of the British Empire, and (b) a special study of the thirteenth century.

Essays will be required during the year on topics connected with the course in History. Marks will be assigned on the basis both of matter and of form by the instructors in English and History and will be taken into account by the examiners in determining Honour standing.

**Third Year.**

**English.**

COMPOSITION: The writing during the term of at least four original essays upon subjects connected with the work in literature. The marks assigned to these essays will be taken into account in determining Honour standing.

1903: SIXTEENTH AND SEVENTEENTH CENTURY LITERATURE.—An outline of the history of literature from Wyatt and Surrey to the beginning of the Civil Wars, with special study of the following works:—

SPENSER, *Faerie Queen*, Book I.; SHAKESPEARE, Richard III., *As You Like It*, *Othello*; BACON, *Essays on Adversity, Delays, Friendship, Discourse, Riches, Nature in Man, Youth and Age, and Studies; Advancement of Learning*, Book I.; MILTON, *Sonnets*, *Areopagitica*, *Comus*, *Paradise Lost*, Books I., II., IV.; together with the selections from Wyatt, Surrey, Sidney, Marlowe, Shakespeare, Elizabethan Miscellanies, Chapman and Donne, in Ward's *English Poets*, Vol. I.; and the extracts from Lyly to Milton (inclusive) contained in Garnett's *English Prose Selections*.

OLD ENGLISH: Cook's *First Book of Old English* (Ginn & Co.).

1904: EIGHTEENTH CENTURY LITERATURE.—An outline of the History of literature from Dryden to Burns, with special study of the following works:—

DRYDEN, *Absalom and Achitophel*, Pt. I.; BUNYAN, *Grace Abounding*; ADDISON, *Selections in the Golden Treasury*; SWIFT, *Gulliver's Travels*,

† In the Greek and Latin subjects of this course the same examination papers will be set as in the corresponding subjects of the Classical Honour Course, and the standard required will be the same.



Bks. I. and II.; POPE, Rape of the Lock, Prologue to the Satires; THOMSON, Summer; JOHNSON, Vanity of Human Wishes, Life of Pope; GOLDSMITH, Deserted Village, Vicar of Wakefield; BURKE, Conciliation with America; COWPER, Task, Bk. IV.; and the Selections from Dryden, Collins, Gray and Burns, in Palgrave's Golden Treasury, and from Cowley, Hyde, Dryden, Steele, Johnson and Gibbon, in Garnett's English Prose.

OLD ENGLISH: Cook's First Book of Old English (Ginn & Co.).

#### \*Greek.

1903: ARISTOPHANES, Frogs; SOPHOCLES, *Œdipus Rex*; PLATO, Republic, Books I-IV.

1904: ARISTOPHANES, Birds; SOPHOCLES, *Œdipus Rex*; PLATO, Republic, Books I-IV.

Translation at sight.

#### \*Latin.

Roman History from B.C. 266 to B.C. 78 (Mommsen, Bks. III., IV.); HORACE, Satires, and JUVENAL, Satires, I.-XIII. (except II., IV., VI., IX.); PERSIUS, Satire I., with the history of Roman Satire; VERGIL, *Æneid*, Bks. X., XI., XII. (Sidgwick); PLAUTUS, *Captivi*; TERENCE, *Andria*.

Translation at sight.

NOTE.—In connection with the Horace and Juvenal, students will read Sellar's Horace, and Inge's Society in Rome under the Cæsars.

#### History.

The chief movements in European History A.D. 1300-1763, including (a) the continuous History of the British Empire, (b) European effort in America, (c) a special study of the period of the Commonwealth and the Protectorate.

Essays will be required during the term on topics connected with the course in History. Marks will be assigned on the basis both of matter and of form by the instructors in English and History, and will be taken into account by the examiners in determining honour standing.

### Fourth Year.

#### English.

1903: SIXTEENTH AND SEVENTEENTH CENTURY LITERATURE.—An outline of the history of literature from Wyatt and Surrey to the beginning of the Civil War, with special study of the following works:—

SPENSER, *Faerie Queen*, Book I.; SHAKESPEARE, Richard III., *As You Like It*, *Othello*; BACON, *Essays on Adversity*, *Delays*, *Friendship*, *Dis-*

\*In the Greek and Latin subjects of this course the same examination papers will be set as in the corresponding subjects of the Classical Honour course, and the standard required will be the same.

course, Riches, Nature in Man, Youth and Age, and Studies; Advancement of Learning, Book I.; MILTON, Sonnets, Areopagitica, Comus, Paradise Lost, Books I., II., IV.; together with extracts from Wyatt, Surrey, Sidney, Marlowe; Shakespeare, Elizabethan Miscellanies, Chapman and Donne in Ward's English Poets, Vol. I., and the extracts from Lyly to Milton (inclusive) contained in Garnett's English Prose.

THE HISTORY OF THE ENGLISH DRAMA from its origin to the death of Shakespeare.

The following works are to be studied critically: SHAKESPEARE, Romeo and Juliet, Hamlet.

The following works are to be read carefully\*:—Pollard's Miracle Plays, the selections entitled The Fall of Lucifer, Noah's Flood, The Sacrifice of Isaac, The Pardoner and the Frere; Gorboduc; MARLOWE, Tamburlaine, Pt. I., and Edward II.; SHAKESPEARE, Love's Labour Lost, Midsummer Night's Dream; JONSON, Every Man in his Humour; MILTON, Samson Agonistes.

NINETEENTH CENTURY LITERATURE: BROWNING, A general knowledge of The Ring and the Book, and a more intimate acquaintance with Books I., V., VI. and XI.

OLD ENGLISH: CAEDMON, Exodus and Daniel (Ginn & Co.); Historical Grammar, and Sweet's Second Middle English Primer.

1904: NINETEENTH CENTURY LITERATURE.—A general acquaintance with the work of the following writers, together with a special study of the specified selections:—

WORDSWORTH, Michael, Tintern Abbey; SCOTT, Old Mortality, Lay of the Last Minstrel; SHELLEY, Adonais; CARLYLE, Essays on Burns, Johnson, Biography, Characteristics; MACAULAY, Essay on Boswell's Life of Johnson and Memorials of Hampden; TENNYSON, "You ask me why," "Of old sat Freedom," "Love thou thy land," Ænone, Locksley Hall, Ulysses, Morte d'Arthur, Northern Farmer—Old Style, The Revenge, The Ancient Sage, Locksley Hall Sixty Years After, Freedom, To Virgil, The Two Greetings; BROWNING, Saul, Fra Lippo Lippi, A Grammarian's Funeral, My Last Duchess, Up at a Villa, Love among the Ruins, Two in the Campagna, Andrea del Sarto, Hervé Riel, Abt Vogler, Caliban; and the Selections from Wordsworth, Scott and Shelley in Palgrave's Golden Treasury.

THE HISTORY OF THE ENGLISH DRAMA from its origin to the death of Shakespeare.

The following works are to be studied critically: SHAKESPEARE, Much Ado About Nothing, Hamlet, Lear, Henry VIII.

The following works are to be read carefully: Creation and Fall II., Abraham and Isaac, The Second Shepherd's Play, The Four P.P. I., Campaspe, The Spanish Tragedy (all these are contained in Manly, Specimens of the Pre-Shakespearian Drama); MARLOWE, Tamburlaine,

Pt. I., Edward II.; BEN JONSON, *Every Man in His Humour*; SHAKESPEARE, *Love's Labour Lost*, *King John*, *Henry IV.*, Pts. I. and II., *Antony and Cleopatra*; MILTON, *Comus*, *Samson Agonistes*.

OLD ENGLISH: BEOWULF, ll. 1-1250, *to be studied critically* in the original; a general knowledge of the remainder of the poem will be expected, which may be gained from Hall's, Earle's or Garnett's translation; Historical Grammar, and Sweet's *Second Middle English Primer*.

#### †Greek.

HOMER, *Iliad*, I., VI., XVIII., XXII.-XXIV.; Æschylus, *Agamemnon*; THEOCRITUS, *Idylls*, I., IV., VII., VIII., XIII., XV., XXI.

ARISTOTLE, *Poetics*, with the history of the Greek genius and Greek poetry so far as covered by the following books:—Butcher's *Aspects of Greek Genius* (2nd edition), Matthew Arnold's *Essays on Translating Homer*, Butcher's *Essays* in his edition of the *Poetics*, Jebb's *Growth and Influence of Classical Greek Poetry*, Moulton's *Ancient Classical Drama*.

#### †Latin.

VERGIL, *Bucolics*, *Georgics* and *Æneid*; LUCRETIUS, Bks. I., III., V., with Sellar's *Roman Poets of the Republic*, Chaps. XI.-XIV., with Sellar's *Vergil*; QUINTILIAN, Bk. X. Questions will be set on the history of Roman Poetry to A.D. 120, with special reference to the influence of Roman upon English Literature, so far as covered by Sellar's *Vergil*, Myers' *Essay on Vergil*, Tyrrell's *Roman Poetry*, and Mackail's *Handbook to Roman Literature*.

#### History.

The chief movements in European and American History from A.D. 1763 to the present time, including (a) the continuous History of the British Empire and the United States, (b) a special study period of the French Revolution, (c) the Philosophy of History.

An essay will be required during the year on some subject connected with the course in History. Marks will be assigned on the basis both of matter and of form by the instructors in English and History, and will be taken into account by the examiners in determining honour standing.

NOTE—The Education Department of Ontario accepts an Honour degree of the University of Toronto, obtained in the above course, as the non-professional qualification for specialist standing in the Department of English and History.

† In the Greek and Latin subjects of this course the same examination papers will be set as in the corresponding subjects of the Classical Honour course, and the standard required will be the same.

## DEPARTMENT OF ORIENTAL LANGUAGES.

*Additional Requirements:*—Candidates in this Department are required to take the following subjects of the General Course, in addition to the work prescribed below:—

FIRST YEAR....English; Latin; any two of the languages: Greek, French, German, Hebrew; Ancient History; Mathematics; Physics or Biology.

SECOND YEAR....English or History; any two of the languages: Latin, Greek, French, German; Psychology and Logic.

THIRD YEAR....Latin or Greek or French or German; Ethics.

FOURTH YEAR...Latin or Greek or French or German.

*Term Work in Honours:*—Every candidate for Honours in this Department shall, during the Fourth year of his course, present a dissertation on some subject connected with Oriental Languages or Literature, such subject to be previously approved by his instructors in the Department. The essay shall, on or before the 1st of April in each year, be laid before the instructors in Oriental Languages in University College and Victoria University, who shall examine it and assign to it marks according to their judgment of its merit. Such marks shall be reported to the Registrar and be taken into account by the examiners in determining the standing of the candidate at the examination of the Fourth year.

### Second Year.

HEBREW: Historical and narrative Prose: Exodus I.-XII., XVIII.-XX.; Numbers, XXI.-XXIV.; Deuteronomy, I.-XI.; Judges, VI.-IX.; Ruth; 1 Samuel, XVII.-XIX.; 2 Samuel, XVII., XVIII.; 1 Kings, V., VIII., XVII.-XIX.; 2 Kings, XVI.-XIX; 2 Chronicles, XXX. Hebrew syntax and Hebrew prose composition. Translation at sight of prose passages. Outlines of Hebrew literature.

ARAMAIC: West Aramaic grammar, with extracts from Targums. Syriac grammar, with reading lessons; outlines of Aramaic literature.

General Semitic history, geography and antiquities.



### Third Year.

HEBREW: Amos, I.-VI.; Micah, III.-VI.; Isaiah, I.-XIV., XXVIII., XXXV., XL.-LV.; Jeremiah, VII.-IX., XIV.-XVII., XXII., XXIII., XXXI.; Ezekiel, XII.-XIV., XXVI., XXVII., XXXIII., XXXIV.; Haggai. Translation at sight. Syntax and composition. Introduction to the literary study of the prophetic writings. History of Israel to fall of Samaria.

BIBLICAL ARAMAIC: Outlines of the grammar with selections from Daniel and Ezra.

ARABIC: Introduction to Arabian history and literature. Arabic grammar. Reading of prescribed specimens of the literature.

### Fourth Year.

HEBREW: Psalms, I.-XXXIV., XXXIX.-LV., LXXII.-LXXXVII., LXXXIV.-LXXXVII., XC.-C., CII.-CIV., CX., CXXI.-CXXVII., CXXX., CXXXVII., CXXXIX., CXLV.-CL.; Proverbs, I.-IV., VIII., XII., XV., XXV., XXX., XXXI.; Job, III.-XIV., XIX., XXVIII.; Ecclesiastes, XII.; Lamentations, I. Composition and translation at sight. Characteristics of Hebrew poetry in detail and of the several poetical books. History of Israel to Maccabæan period.

ASSYRIAN: Grammar and reading of selected texts. Babylonian and Assyrian history. Introduction to the literature, with the history of modern discoveries and their relations with the Old Testament.

Comparative grammar of the Semitic languages.

## DEPARTMENT OF HISTORY.

*Additional Requirements:*—Candidates in this Department are required to take the following subjects of the General Course in addition to the work prescribed below:—

FIRST YEAR....English; any two of the following languages, viz.:  
Greek, French, German, Hebrew; Mathematics; Biology *or*  
Physics.

SECOND YEAR....English; any two of the following languages, viz.:  
Greek, French, German, Hebrew; Psychology.

THIRD YEAR....English, Ethics.

FOURTH YEAR....English.

### First Year.

1. The Honour Latin of the First year *or* the Honour Greek of the First year. For details see Department of Classics, p. 101. (Candidates taking the Greek option must take the Latin of the General Course and French *or* German *or* Hebrew.)

2. ANCIENT HISTORY: (a) Roman History (Pelham's Outlines of Roman History); (b) Greek History (Botsford's History of Greece).

### Second Year.

1. \*LATIN: Composition; sight translation; LIVY, IV., V., TACITUS Annals I. (Furneaux); *or* GREEK: Sight translation, Thucydides, Bk. I. (Candidates taking the Greek option must take the Latin of the General Course, and French *or* German *or* Hebrew).

2. \*ANCIENT HISTORY: (a) Roman History to 266 B.C. (Mommsen, Bks. I. and II., Fustel de Coulanges' *La Cité Antique*); (b) Greek History to 421 B.C. (Grant, *Age of Pericles*; Grote's *History of Greece*, Part II., Chaps. VI., XI., XXX., XXXI., XLV., XLVI.).

3. The History of Mediæval Europe, including (1) The Elements of Anthropology; (2) The Relations of Geography and History; the chief movements from 300 to 1300 A.D., with special reference to (a) the British Isles, and (b) the 13th century.

4. The Constitutional History of England to Magna Charta, including the study of the text of the principal constitutional documents.

5. The Elements of Economics.

\* In the Greek and Latin subjects of this course the same examination papers will be set as in the corresponding subjects of the Classical Honor course, and the standard required will be the same.

### Third Year.

1. \*ANCIENT HISTORY: (a) Roman History from 266 B.C. to 78 B.C., (Mommsen, Bks. III. and IV.); Tacitus, *Annals*, Bks. I., II., III., IV. or Thucydides, Book III. (b) Greek History from 421 B.C. to 362 B.C. (Botsford's *History of Greece*, Grote's *History of Greece*, Chaps. LXVII. and LXVIII.).

2. MODERN HISTORY: The chief movements in European History from 1300 A.D. to 1763, including (a) the continuous history of the British Empire, (b) European effort in America, (c) a special study of the period of the Commonwealth and Protectorate. An essay will be required on some topic connected with the course in History, and the merits of this essay will be taken into account by the examiners in determining honour standing.

3. English Constitutional History from Magna Charta, including the study of the text of the principal documents.

4. History of Economic Theory.

5. English Constitutional Law.

6. Colonial Constitutional Law.

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### Fourth Year.

1. \*ANCIENT HISTORY: (a) Roman History from 78 B.C. to 37 A.D. (Mommsen, Bk. V.; Merivale, Vols. III., IV., and V.); Cicero's *Letters* (Watson's selection), or Herodotus, VII., VIII., IX.; (b) Greek History, \*Thucydides I., II., III., VI., VII., VIII.; \*Herodotus, VII., VIII., IX.; Grote's *History of Greece*, Part I., Chaps. XV., XVI., XVII., XX., XXI.

2. MODERN HISTORY: The chief movements in European and American History from 1763 to the present time, including (a) the continuous History of the British Empire and the United States, (b) a special study of period of the French Revolution, (c) the Philosophy of History. An essay will be required on some topic connected with the course in History, and the merits of this essay will be taken into account by the examiners in determining honour standing.

3. Political Philosophy; Economic History; Public Finance.

4. Federal Constitutional Law.

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\*In the Greek and Latin subjects of this course the same examination papers will be set as in the corresponding subjects of the Classical Honor course, and the standard required will be the same.

\*Either Herodotus or Cicero's *Letters* must be read in the original: the other (with Thucydides) may be read in a translation.

## DEPARTMENT OF POLITICAL SCIENCE.

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*Additional Requirements:*—Candidates in this Department are required to take the following subjects of the General Course, in addition to the work prescribed below:—

FIRST YEAR....English; Latin; any two of the following languages, viz., Greek, French, German, Hebrew; Mathematics (including Permutations and Combinations, so far as necessary for the Binomial Theorem; and the Binomial Theorem); Biology or Physics (Biology recommended); Ancient History.

SECOND YEAR....English; Latin; any two of the following languages, viz., Greek, French, German, Hebrew; Logic and Psychology.

THIRD YEAR....English, Ethics.

*Term Work in Honours:*—The following term work, to be prescribed by the Professor of Political Economy and Constitutional History, is required in these subjects:—

SECOND YEAR: Two essays in each term, in all four essays, and also a Term examination to be held before or shortly after Christmas vacation.

THIRD YEAR: Two essays in each term, in all four essays, and also a Term examination to be held before or shortly after Christmas vacation.

FOURTH YEAR: Two essays in each term, in all four essays, and also a Term examination to be held before or shortly after Christmas vacation.

In each year such term work and examination count for Honours in the annual examination.

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### First Year.

Candidates for Honours in the Department of Political Science are required to take, in addition to the above subjects of the General Course, the full Honour course in one or other of the following Honour subjects in the First year: Latin; Greek; any two of the three languages: English, French, German.

NOTE.—Students are recommended to take the Honour Latin in the First year instead of the Latin of the General course, in order that they may have the option of entering the History course in the Second year should they so desire.



### Second Year.

1. The Elements of Economics.
  2. Roman History to 266 B.C., Mommsen, Bks. I. and II., and Fustel de Coulanges' *La Cité Antique*.
  3. Mediæval History to 1300. (See Department of History for details.)
  4. English Constitutional History to Magna Charta, including the study of the text of the principal constitutional documents.
  5. Mathematics (Elements of the Infinitesimal Calculus, with Elements of Analytical Geometry).
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### Third Year.

1. The Theory of Political Economy.
  2. Modern History from 1300 to 1763. (See Department of History for details.)
  3. English Constitutional History from Magna Charta, including the study of the text of the principal constitutional documents.
  4. English Constitutional Law.
  5. Roman Law.
  6. History of English Law.
  7. Colonial Constitutional Law.
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### Fourth Year.

1. Economic History; Public Finance; Political Philosophy.
2. Modern History from 1763 to the present time. (See Department of History for details.)
3. History of Philosophy (Honour History of Philosophy of the Fourth year).
4. Jurisprudence.
5. Public International Law.
6. Federal Constitutional Law.
7. Canadian Constitutional History, including the study of the text of the principal constitutional documents.

Candidates may take either number 3 or numbers 4 and 5.

## DEPARTMENT OF PHILOSOPHY.

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*Additional Requirements:*—Candidates in this Department are required to take the following subjects of the General course in addition to the work prescribed below:—

FIRST YEAR....English; Latin; any two of the following languages, viz., Greek, French; German, Hebrew (Greek and German recommended); Ancient History; Mathematics; Physics or Biology (Biology recommended).

SECOND YEAR...Light; any two of the following languages, viz., Greek, German, Latin, French, Hebrew (Greek and German recommended).

THIRD YEAR...English or History; Honour Economics (Pass standing).

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### Second Year.

LOGIC: Formal and Inductive; Scientific Methods.

PSYCHOLOGY: (a) Sensation, Thought, Emotion, Volition; (b) Experimental, Introductory Course, Psychophysical methods, the senses of taste and smell, and the dermal and kinæsthetic Senses.

METAPHYSICS: Locke, Essay on the Human Understanding; Berkeley, Principles of Knowledge; Hume, Treatise on Human Nature, Parts I. and III.

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### Third Year.

LOGIC: Scientific Methods; J. S. Mill.

ETHICS: Theory of Ethics; History of Ethics; Essays on Ethical Topic.

HISTORY OF PHILOSOPHY: Ancient and Mediæval; Cicero, De Finibus, Books I. and II.

PSYCHOLOGY: (a) Experimental study of psychological optics and acoustics and the time and space relations of mental phenomena; (b) the more important problems of General Psychology, with selected readings from Bain, Baldwin, James, Ladd, Sully, Tracy, Ward, Wundt.

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### Fourth Year.

HISTORY OF PHILOSOPHY: Modern; Special study of Kant's Critiques.

ETHICS: Aristotle, Nicomachean Ethics; Kant's Ethical Writings; Sidgwick's Methods of Ethics; Essays.

PSYCHOLOGY: Practical work in the Laboratory.

## METAPHYSICS:—

(a) Kant's Prolegomena (paragraphs 1-50). Aristotle's Metaphysics.

(b) (1902-03). Hamilton's Notes on Reid; Mansel; Comte, Positive Philosophy; J. S. Mill, Examination of Sir William Hamilton; Spencer's First Principles.

(c) (1903-04). Descartes, Meditations and Method; Spinoza, Ethic; Leibnitz, Nouveaux Essais; Lotze, Metaphysics; Wundt, System of Philosophy.

Essays on Metaphysical Topics.

Review of the work of previous years and Essays.

NOTE.—Candidates from St. Michael's College may substitute Lorimer's Institutes of Law for Kant's Ethics, in Fourth year; and also Aristotle's Ethics, Bks. I.-IV. in the original, and one of Plato's Dialogues in the original, for the Experimental Psychology in the Fourth year.

## DEPARTMENTS OF MATHEMATICS AND PHYSICS.

*Additional Requirements:*—Candidates in this Department are required to take the following subjects of the General Course in addition to the work prescribed below:—

FIRST YEAR....English; Latin *or* Greek; French *or* German.

## First Year.

Elementary Physics (Mechanics, Hydrostatics and Heat); Inorganic Chemistry with attendance at tutorial class; Algebra, including Determinants and omitting Theory of Probability; Trigonometry (Plane and Spherical); Analytical Plane Geometry.

## Second Year.

Elementary Physics (Electricity and Magnetism, and Acoustics); Physical Chemistry, Chemical Laboratory with qualitative and quantitative work; Newton's Principia, sec. I.; Differential Calculus; Integral Calculus; Solid Geometry; Elementary Analytical Statics and Particle Dynamics.

## Third Year.

Elementary Physics (Light); Advanced Analytical Statics; Advanced Particle Dynamics; Hydrostatics; Geometrical Optics; Rigid Dynamics; Thermodynamics (elementary); Theory of Equations with Determinants continued from the First year; Laboratory Work.

## Fourth Year.

Candidates are allowed to take either Division I. or Division II. in the Fourth year.

### DIVISION I.—MATHEMATICS.

Astronomy; Differential Equations; Higher Plane Curves with introductory course in Modern Geometry; Quaternions with outlines of similar space analyses; also any two of the following courses, the selection to be made by the Mathematical Department at the beginning of each year:—

1. Invariant Theory. 2. Theory of Numbers. 3. Theory of Substitutions. 4. Elementary Theory of Functions. 5. Elliptic Functions. 6. Tangential Co-ordinates or Trilinear Co-ordinates. 7. Modern Synthetic Geometry, as illustrated by Cremona's Projective Geometry, or Reye's Geometry of Position or Lachlan's Modern Plane Geometry. 8. Theory of Probability.

### DIVISION II.—PHYSICS.

Elasticity; Acoustics; Physical Optics; Thermodynamics (advanced); Electricity and Magnetism; Method of Least Squares; Laboratory Work.

NOTE.—The Education Department of Ontario accepts an Honour degree of the University of Toronto, obtained in the above course, as the non-professional qualification for specialist standing in the Department of Mathematics.

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## DEPARTMENT OF BIOLOGICAL AND PHYSICAL SCIENCE.

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*Additional Requirements:*—Candidates in this Department are required to take the following subjects of the General Course in addition to the Honour work prescribed below:—

FIRST YEAR.....Latin or Greek; English; Mathematics; French and German.

SECOND YEAR....English; Psychology.

THIRD YEAR....English.

FOURTH YEAR....English.

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## First Year.

Elementary Biology, with Laboratory work; Elementary Physics; Elementary Chemistry, with Laboratory work.

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## Second Year.

Zoology of Invertebrata, with Laboratory work; Physical Chemistry; Quantitative and Qualitative Analyses; Physics, with Laboratory work; Elementary Physiology.



### Third Year.

Vertebrate Zoology, with Laboratory work; Elementary Anatomy; Cytology and Histology; Organic Chemistry with Laboratory work; Physics with Laboratory work.

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### Fourth Year.

Embryology of Vertebrates; General Biology, including History of Biology, Bacteriology; Physiology; Physiological Chemistry; Advanced Anatomy.

NOTE.—At the Second, Third and Four Year Examinations the candidate will be required to translate at sight portions of scientific works in French and German.

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## DEPARTMENT OF NATURAL SCIENCE.

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*Additional Requirements:*—Candidates in this Department are required to take the following subjects of the General Course in addition to the Honour work prescribed below:—

FIRST YEAR....Latin or Greek; English; Mathematics; French or German.

SECOND YEAR....English.

THIRD YEAR....English.

FOURTH YEAR....English.

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### First Year.

Elementary Biology with Laboratory work, including the study of typical animals and flowering plants.

Elementary Physics (Mechanics, Hydrostatics and Heat), including Laboratory work.

Inorganic Chemistry, including Tutorial class.

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### Second Year.

Zoology of the Invertebrata, with a practical knowledge of typical forms; Structure of the Vegetative and Floral Organs of Phanerogamous Plants, the course to include Laboratory work; Elementary Physiology; Physical Chemistry; Chemical Laboratory (qualitative work); Elementary Mineralogy, including Crystallography and Blowpipe work, Lithology and Dynamical Geology, with practical work; Physics (Acoustics, Light, Electricity and Magnetism), with Laboratory work.

### Third Year.

The candidate may select either of the two following divisions for examination:—

#### DIVISION I.—BIOLOGY.

Zoology of the Vertebrata, with Laboratory and Museum work illustrative of this course; Vegetable Physiology; Structure and classification of Cryptogamic Plants, with practical knowledge of types; Organic Chemistry, Chemical Laboratory (qualitative work); Historical and Stratigraphical Geology and Palæontology, with excursions and Laboratory work.

#### DIVISION II.—GEOLOGY.

Zoology of the Vertebrata, with special reference to the head parts, with Laboratory and Museum work illustrative of this course; Palæontology of the Invertebrata and Palæophytology, with practical work; Historical and Stratigraphical Geology; Determinative and Physical Mineralogy, with Laboratory work; qualitative Chemical analysis.

### Fourth Year.

The candidate may select either of the two following divisions for examination:—

#### DIVISION I.—BIOLOGY.

Morphology and Embryology of Vertebrates, with special dissection of a typical Vertebrate Form; Histology; Bacteriology; General Biology; Physiology; Physiological Chemistry; Physiological Psychology.

#### DIVISION II.—GEOLOGY.

Archæan Geology; Glacial Geology; Structural Geology; Field work in Geology; Physiography; Meteorology; Petrography; Palæontology of the Vertebrata; Economic Geology; Systematic Mineralogy; Geological Surveying and Cartography; Mineral Chemistry and Assaying.

Students in the department are required to submit a Mineralogical, Petrographical or Palæontological collection made during the previous holidays.

NOTE.—The Education Department of Ontario accepts an Honour degree of the University of Toronto, obtained in the above course, as the non-professional qualification for specialist standing in the Department of Science.

**DEPARTMENT OF CHEMISTRY AND MINERALOGY.**

*Additional Requirements:*—Candidates in this Department are required to take the following subjects of the General Course in addition to the Honour work prescribed below:—

FIRST YEAR....English; Latin; German or French; Algebra; Trigonometry.

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**First Year.**

CHEMISTRY: Inorganic Chemistry, including Tutorial Class; Chemical Laboratory (qualitative work).

PHYSICS: Elementary Physics (Mechanics, Hydrostatics and Heat).

MATHEMATICS: Elementary Analytical Geometry; Spherical Trigonometry, one day a week during second term.

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**Second Year.**

CHEMISTRY: Inorganic Chemistry; Physical Chemistry; Organic Chemistry; Chemical Laboratory (quantitative work, both Gravimetric and volumetric).

MINERALOGY: Elementary Mineralogy, including Blowpipe work and Crystallography.

GEOLOGY: Lectures.

PHYSICS: Electricity and Magnetism; Light, Laboratory Work.

MATHEMATICS: Elementary Differential and Integral Calculus.

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**Third Year.**

CHEMISTRY: Inorganic Chemistry; Physical Chemistry; Chemical Laboratory (Organic Preparations with Lectures, and Physico-Chemical Measurements).

MINERALOGY: Determinative and Systematic Mineralogy and Physical Crystallography; Mineralogical Laboratory.

GEOLOGY: Stratigraphical Geology.

PHYSICS: Practical Electricity.

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**Fourth Year.**

CHEMISTRY: Inorganic and Organic Chemistry, including the study of selected Monographs; History of Chemical Theory; Physical Chemistry; Chemical Laboratory.

MINERAL CHEMISTRY AND ASSAYING.

MINERALOGY: Petrography and Economic Geology.

The Education Department of the Province of Ontario accepts an Honour Degree of the University of Toronto obtained in the above

course as the non-professional qualification for specialist standing in the Department of Science, provided the candidate has also obtained Honour standing in each of the First and Second years in Biology of the Department of Natural Science.

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## DEPARTMENT OF PHYSICS AND CHEMISTRY.

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*Additional Requirements:*—Candidates in this Department are required to take the following subjects of the General Course in addition to the work prescribed below:—

FIRST YEAR....English; Latin *or* Greek; French *or* German; Trigonometry.

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### First Year.

PHYSICS: Elementary Physics (Mechanics, Hydrostatics and Heat); Laboratory work.

CHEMISTRY: Elementary Chemistry; Laboratory work.

MATHEMATICS: Elementary Analytical Geometry, including Theory of Polar Co-ordinates.

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### Second Year.

PHYSICS: Electricity and Magnetism, Acoustics; Analytical Statics; Dynamics of a Particle; Laboratory work.

CHEMISTRY: Inorganic Chemistry; Physical Chemistry; Laboratory work.

MATHEMATICS: Differential Calculus of the Honour Department of Mathematics and Physics with attendance at Lectures on Solid Geometry during the Michaelmas Term, and on Elementary Integral Calculus during the Easter Term.

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### Third Year.

PHYSICS: Thermodynamics; Light; Advanced Analytical Statics; Laboratory work, including Practical Electricity.

CHEMISTRY: Organic Chemistry; Physical Chemistry (Theory of Chemical Affinity); Laboratory work.

MATHEMATICS: Integral Calculus of the Second Year Honour Department of Mathematics and Physics.



### Fourth Year.

**PHYSICS:** Electricity and Magnetism; Thermodynamics (advanced); Laboratory work.

**CHEMISTRY:** Organic Chemistry; Physical Chemistry (Chemical Thermodynamics; Electro-Chemistry); History of Chemical Theory; Laboratory work.

**MATHEMATICS:** Differential Equations of the Department of Honour Mathematics of the Fourth year.

**NOTE.**—The Education Department of Ontario accepts an Honour degree of the University of Toronto obtained in the above course as the non-professional qualification for a specialist's certificate in Science, provided the candidate has also obtained Honour standing in each of the First and Second year examinations in Biology of the Department of Natural Science. The Education Department of Ontario accepts an Honour degree of the University of Toronto obtained in the above course as the non-professional qualification for a specialist's certificate in Mathematics, provided the candidate has also obtained Honour standing in the following additional subjects of the Department of Mathematics and Physics, taken at not more than two examinations:—Trigonometry (plane and spherical); Newton's Principia, Sec. 1.; Statics and Dynamics (advanced); Rigid Dynamics; Hydrostatics (advanced); Geometrical Optics (advanced); Elasticity; Hydrodynamics; Method of Least Squares.

## DEGREE OF PH. D.

The Degree of Doctor of Philosophy has been established for the purpose of encouraging research in the University of Toronto, and is conferred on the following conditions:—

1. The candidate shall be a graduate in Arts of the University of Toronto, and shall register in the University of Toronto as a graduate student. Graduates in Arts in other Universities who have been admitted *ad eundem gradum* in this University may also register. The Registrar shall not register any student unless he present a certificate of qualification from the professors and heads of that department in the University of Toronto, University College and Federated Universities, from which he proposes to select his major subject. Such registration may take place at any time in the academic year.

2. The candidate shall after registration have pursued for at least two years the study of a special subject, to be termed the major subject, under the direction of the professor of such subject in the University of Toronto, University College, or Federated Universities.

3. Exemption from attendance for the first of the two years of study may be granted upon the report of the professor, but the candidate shall present satisfactory evidence of study in his major subject at another University during that year.

4. The candidate shall pass examinations in two other subjects, to be termed the minor subjects. He shall obtain a standing in the examinations in the two minor subjects equivalent at least to that required for second class Honours in the examination for the B.A. degree. The examination in either or both minor subjects shall be dispensed with in case the candidate has obtained first class Honours in either or both of such subjects at the examination for B.A. in this University.

5. The candidate shall present a thesis on some topic in his major subject embodying the results of an original investigation conducted by himself.

6. The acceptance of the thesis shall be determined upon the report of the professors and heads of that department which includes the major subject, in the University of Toronto, University College and Federated Universities, and such report shall also state that the candidate has passed a satisfactory examination in his major subject. The candidate, after the acceptance of the thesis, shall furnish to the Registrar one hundred printed copies of such thesis, together with the report thereon, before he receives the degree.

7. The annual fee for registration in the University of Toronto and University College is \$25, and the fee for the degree of Doctor of Philosophy is \$50.

8. The candidate shall select one of his minor subjects from the group to which his major subject belongs, and shall select his second minor as indicated in the annexed table.

The following is the list of major subjects arranged in groups:—

GROUP I. BIOLOGY.

1. Animal Morphology.
2. Animal Physiology.
3. Botany.

GROUP II. CHEMISTRY.

1. Inorganic Chemistry.
2. Organic Chemistry.
3. Physical Chemistry.
4. Physiological Chemistry.

GROUP III. PHYSICS.

1. Light.
2. Heat.
3. Electricity.
4. Sound.
5. Dynamics.

GROUP IV. GEOLOGY.

1. Geology.
2. Mineralogy.
3. Palæontology.

GROUP V. PHILOSOPHY.

1. Logic and Metaphysics.
2. Psychology.
3. History of Philosophy.
4. Ethics.

GROUP VI. ORIENTAL LANGUAGES AND LITERATURE.

1. Hebrew Language and Literature.
2. Aramaic Language and Literature.
3. Arabic Language and Literature.
4. Assyrian Language and Literature.

GROUP VII. POLITICAL SCIENCE.

1. Economic History.
2. Economic Theory.
3. Philosophy of Politics.
4. Constitutional History and Law.

Minor subjects also may be chosen from the following groups:—

GROUP VIII. MODERN LANGUAGES AND LITERATURE.

1. Old English.
2. Modern English.
3. Modern French.
4. Old French.
5. Modern German.

GROUP IX. LATIN AND GREEK LANGUAGES AND LITERATURE.

1. Greek Language and Literature.
2. Latin Language and Literature.
3. Greek Philosophy.
4. Roman and Greek History.

GROUP X. HISTORY.

1. Canada under the French Régime.
2. Canada under British Rule.
3. The American Revolution.

GROUP XI. MATHEMATICS.

1. Geometry.
2. Analysis.

The provisions of this statute may be extended to any other department in the University of Toronto, University College and Federated Universities, upon application of the head or heads of such department to the University or College to which he or they belong, and upon satisfying such governing body of the ability of their department to carry out the purposes of this statute.

Until the extension of the provisions of this statute to departments not at present included in the preceding enumeration of groups, the heads of such departments shall, when asked so to do, name subjects as second minors in their departments.

TABLE.

| When the candidate selects his major subject from | He shall select his second minor subjects from |
|---|--|
| Group I.  | Group II., III., IV. or V.                     |
| Group II.   | Group I., III., IV. or XI.                     |
| Group III.  | Group I., II., IV., V. or XI.                  |
| Group IV.   | Group I., II., III. or V.                      |
| Group V.  | Group I., II., III., VII. or IX.               |
| Group VI.   | Group V., VIII., IX. or X.                     |
| Group VII.  | Group V., VIII., IX., X. or XI.                |



## COURSES OF INSTRUCTION IN ARTS.

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The undergraduate courses of instruction in Arts, in the University of Toronto and the Colleges, are based upon the Curriculum, as above (pp. 92-132). The following statements regarding the scope and aim of the courses are added in cases in which such additional information is considered desirable, together with the names of the teaching staff for 1901-1902:—

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### UNIVERSITY SUBJECTS.

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#### Mathematics.

|                        |                   |
|------------------------|-------------------|
| ALFRED BAKER, M.A..... | <i>Professor.</i> |
| A. T. DELURY, M.A..... | <i>Lecturer.</i>  |
| E. F. BURTON, B.A..... | <i>Fellow.</i>    |

Supplemental to the General Course of the First year, embracing Euclid, Elementary Algebra and Trigonometry, a course is offered in Permutations, Combinations and Binomial Theorem, and also in Elementary Analytical Geometry of two dimensions, suitable for such as, in the Second year, wish to enter upon the study of Elementary Infinitesimal Calculus. The course in Elementary Analytical Geometry is valuable also for its own sake, as it establishes the more important properties of the Conic Sections.

In the Honour work of the First year the following text-books are recommended:—Hall and Knight's Higher Algebra, C. Smith's Treatise on Algebra, Todhunter and Hogg's Trigonometry, Hobson's Trigonometry, Todhunter's Spherical Trigonometry, C. Smith's Conic Sections, Salmon's Conic Sections.

In the Second year the elementary course in Differential and Integral Calculus is designed to afford such knowledge of the character, methods and place in science of this important subject as educated men should possess, and also to enable students in Chemistry, Engineering, etc., to understand those of their text-books in which the Calculus is introduced.

A further course of lectures is given in the elements of Analytical Geometry and of the Infinitesimal Calculus, intended specially for students in Economics, who it is hoped will thus be in a position to follow recent developments in this science.

In the Honour work of the Second year the following text-books are recommended:—Williamson's Differential Calculus, Williamson's Integral Calculus, Kiepert's Differential-und Integral-Rechnung, C. Smith's Solid Geometry, Evans' Main's Principia, Frost's Principia. For the remainder of the work in the Second year, see Department of Physics.

Mathematical students in the Third year take Theory of Equations, including Determinants continued from the First year; text-book:—Burnside and Panton. For the remainder of the work in the Third year, see Department of Physics.

In the work of the Fourth year the following text-books are recommended: Newcomb and Holden's Astronomy, Barlow and Bryan's Elementary Mathematical Astronomy, Godfray's Astronomy, Chauvenet's Astronomy; Godfray's Lunar Theory; Cheyne's Planetary Theory; Johnson's Differential Equations, Forsyth's Differential Equations; Page's Ordinary Differential Equations, Murray's Introductory Course in Differential Equations; Salmon's Higher Plane Curves; Kelland and Tait's Quaternions, Hime's Outlines of Quaternions, Tait's Quaternions; Elliott's Algebra of Quaternions, Salmon's Higher Algebra; Mathew's Theory of Numbers, Netto's Theory of Substitutions; Darège's Theory of Functions, Forsyth's Theory of Functions, Harkness and Morley's Theory of Functions; Dixon's Elliptic Functions, Cayley's Elliptic Functions, Appell and Lacour's Fonctions Elliptiques; Papelier's Coordonnées Tangentielles; Ferrers' Trilinear Co-ordinates; Cremona's Projective Geometry; Reye's Geometry of Position translated by Holgate; Lachlan's Modern Pure Geometry.

By courtesy of the authorities of the Observatory, students have access to and use of the astronomical instruments.

The Department is furnished with the admirable thread and plaster models of Brill for illustrating the teaching of Geometry of three dimensions.

### Physics.

JAMES LOUDON, M.A., LL.D.....*Professor.*

W. J. LOUDON, B.A.....*Demonstrator.*

C. A. CHANT, M.A. PH.D.....*Lecturer.*

J. C. MCLENNAN, B.A., PH.D.....*Demonstrator*

J. S. PLASKETT, B.A.....*Mechanical Assistant.*

G. R. ANDERSON, M.A.....*Assistant.*

The work of instruction in Physics consists of courses of lectures and of practical work in the laboratories. The lectures include (1) an introductory course for Medical students, (2) an elementary course illustrated by experiments in Mechanics, Hydrostatics, and Heat, as required by students of the First year in Arts, (3) a similar course in Optics, Electricity and Magnetism for students of the Second year in Arts, (4) a similar course on Acoustics and Physical Optics for students of the

Third year in Arts, and (5) advanced courses on Mathematical Physics for Honour students in the Second, Third and Fourth years in Arts.

The elementary courses for students in the First, Second and Third years in Arts are also attended by students in Engineering, Architecture and other departments.

In the practical work of the Laboratory there are at present eleven courses, six elementary and five advanced, which have been arranged to meet the requirements of Arts students, Engineers, Architects and candidates for specialists' certificates at the Education Department.

Facilities are also afforded in the Laboratories and workshop to Graduate students who desire to engage in research work.

*Text-books: General Physics:* Ganot's Physics; Hastings and Beach's General Physics. *Elementary Mechanics:* Lock, Mechanics for Beginners; Glazebrook, Statics and Dynamics. *Elementary Hydrostatics:* Glazebrook, Hydrostatics. *Elementary Heat:* Glazebrook, Heat; R. W. Stewart, Text-book of Heat. *Elementary Light:* Glazebrook, Light. *Elementary Electricity and Magnetism:* Poyser, Advanced Magnetism and Electricity; Silvanus Thompson, Elementary Lessons. *Advanced Mechanics:* Minchin, Statics; Routh, Statics; Tait and Steele, Dynamics of a Particle. *Geometrical Optics:* Jamin, Optique Géométrique. *Hydrostatics:* Besant. *Rigid Dynamics:* Loudon. *Acoustics:* Donkin. *Elasticity,* Williamson. *Physical Optics:* Preston, Theory of Light. *Thermodynamics:* Clausius, Mechanical Theory of Heat. *Electricity:* J. J. Thomson, Elements of Electricity and Magnetism. *Least Squares:* Merriman. *Practical Physics:* Loudon and McLennan.

*Works of Reference: General Physics:* Deschanel's Natural Philosophy (by Everett); Jamin's Cours de Physique; Violle's Cours de Physique; Daniell; Gallatly; Nichols and Franklin; Jones's Examples in Physics; Thomson and Tait's Natural Philosophy; Christiansen; Macfarlane's Tables; Chamber's Tables. *Elementary Mechanics:* Briggs and Bryan, Statics, Dynamics; Magnus; Loney, Dynamics; Garnett, Dynamics; Clifford; Greaves; Hicks. *Elementary Hydrostatics:* Loney, Mechanics and Hydrostatics; Briggs and Bryan. *Elementary Heat:* Jones, Heat and Light; Garnett; Tyndall; Balfour Stewart; Tait. *Elementary Light:* Jones, Heat and Light; R. W. Stewart; Tyndall; Tait; Wright, Light, Optical Projection. *Elementary Electricity and Magnetism:* Cumming; Larden; R. W. Stewart; Day, Exercises in Electricity and Magnetism. *Elementary Sound:* Catchpool; Tyndall; Zahm; Taylor, Sound and Music; Blaserna; Stone; Mayer; Capstick. *Advanced Mechanics:* Minchin, Statics; Routh, Statics; Ziwet; Todhunter, Statics; Besant, Dynamics; Williamson and Tarleton, Dynamics; Price, Infinitesimal Calculus; Resal; Appell, Tait de Mécanique rationnelle. *Geometrical Optics:* Aldis; Heath; Parkinson. *Hydrostatics:* Besant; Minchin; Greenhill. *Rigid Dynamics:* Routh; Pirie; Worthington, Dynamics of Rotation; Aldis. *Acoustics:* Rayleigh, Theory of Sound;

Helmholtz, Sensations of Tone; Airy, Sound; Kœnig, Quelques Expériences; Chladni; Radau. *Physical Optics*: Jamin; Verdet; Basset; Glazebrook; Lommel; Mascart. *Elasticity*: Lambé; Ibbetson; Love; Todhunter, History. *Hydrodynamics*: Lamb; Basset. *Heat*: Preston; Maxwell; Tait. *Electricity*: Emtage; Maxwell; Mascart and Joubert; Gerard; Gray, Heaviside; Watson and Burbury; Ebert; Du Bois; Foster and Atkinson's Joubert; Glazebrook; Webster. *Least Squares*: Merriman; Wright, Adjustment of Observations; Airy, Theory of Errors; Holman; Johnson; Comstock; Gauss. *Practical Physics*: Stewart and Gee; Glazebrook and Shaw; Kohlrausch, Physical Measurements; Witz; Ayrton, Practical Electricity; Kempe; Nichols.

### Geology and Mineralogy.

A. P. COLEMAN, M.A., PH.D.....*Professor of Geology.*

T. L. WALKER, M.A., PH.D...*Professor of Mineralogy and Petrography.*

W. A. PARKS, B.A., PH.D.....*Instructor.*

An elementary course in Geology is given in the Second year, and arrangements are made for the study of rocks and fossils. Lectures and laboratory work in Mineralogy, Petrology and Dynamical Geology, are provided for Honour students.

In the Third year, lectures are given in Historical and Stratigraphical Geology, Economic Geology, Mineralogy, Elementary Crystallography, Palæontology of the Invertebrates and Palæobotany. Practical work will be conducted in Geology, Mineralogy and Palæontology.

In the Fourth year, lectures are given in Physiography, Geology, Palæontology of the Vertebrates, Lithology, Meteorology and Crystallography. The practical work of the year comprises Excursions and other Geological work, Megascopic and Microscopic Lithology, Practical Crystallography, Mineral Chemistry and Assaying. It is expected that students in the Department will make a collection of minerals, rocks or fossils during the previous vacation.

*Text-books and works of reference*: Chapman's Minerals and Geology of Ontario and Quebec; Dana, Manual of Geology; Geikie, Text-book of Geology; Le Conte, Elements of Geology; Prestwich, Geology; Phillips, Ore Deposits; Kemp, Ore Deposits of the United States; Nicholson, Palæontology; Zittel, Handbuch der Palæontologie; Steinmann Döderlein, Elemente der Palæontologie; Dana, Mineralogy; Naumann, Mineralogie; Tschermack, Mineralogie; Chapman, Mineral Indicator and Blowpipe Practice; Rosenbusch (and Iddings), Microscopical Physiography of Rock Making Minerals; Zirkel, Lehrbuch der Petrographie; Groth's Physikalische Krystallographie; Davis' Elementary Meteorology; Reports of the Geological Survey of Canada.

Honour students of all years are required to pay laboratory supply fees in advance to the Bursar.



**Chemistry.**

|                               |  |
|-------------------------------|--|
| W. R. LANG, D.Sc., F.C.S..... | <i>Professor of Chemistry and Director of the Chemical Department.</i> |
| W. L. MILLER, B.A., Ph.D..... | <i>Associate Professor of Physical Chemistry.</i>                      |
| F. B. ALLAN, M.A., Ph.D.....  | <i>Lecturer.</i>   |
| F. B. KENRICK, M.A., Ph.D.... | <i>Lecturer.</i>   |
| MISS C. C. BENSON, B.A.....   | <i>Fellow.</i>   |
| C. M. CARSON, B.A.....        | <i>Lecture-Assistant.</i>  |

The following courses of lectures on Chemistry will be delivered in the Chemical Laboratory:—

**INORGANIC CHEMISTRY:** 1. *Systematic.* An introductory course on descriptive Chemistry, and on the Atomic and Molecular theories, for First year Chemistry and Mineralogy, First year Physics and Chemistry, First year Natural Science, First year Mathematics and Physics, First year Medicine, and Second year Pass. 2. *Tutorial Class.* The Systematic is divided into sections which meet once a week for further instruction in Arithmetical Chemistry. Home work involving simple calculations is prescribed. 3. *Special.* A course is delivered one day a week during Michaelmas Term explanatory of laboratory work. 4. *Special.* A special course on Inorganic Chemistry for First year Chemistry and Mineralogy, and Physics and Chemistry.

**ORGANIC CHEMISTRY:** 1. The fatty and the aromatic compounds, for the Fourth year Physics and Chemistry, and for the Third year Chemistry and Mineralogy. 2. A more elementary course on the fatty compounds, with a few lectures explanatory of the Benzene theory, for the Third year Natural Science, Second year Medicine and Second year Chemistry and Mineralogy, and Third year Physics and Chemistry. 3. A course on Synthetic methods, and on Stereochemistry for Fourth year Chemistry and Mineralogy.

**HISTORY OF CHEMICAL THEORY:** For Fourth year Chemistry and Mineralogy, and Physics and Chemistry.

Special instruction will in addition be given to the students of the Departments of Chemistry and Mineralogy, and Physics and Chemistry, as occasion requires.

**PHYSICAL CHEMISTRY:** 1. *Elementary.* A course on the relations between Chemical and other forms of Energy, for Second year Chemistry and Mineralogy, Second year Physics and Chemistry, Second year Natural Science, and Second year Mathematics and Physics. 2. *Introductory.* Stœchiometry, Theory of Solutions, Introduction to Electrochemistry, etc., with elementary applications of the calculus to physico-chemical problems, for Second year Chemistry and Mineralogy, and Second year Physics and Chemistry. 3. *Theory of Affinity.* Velocity of reactions, the mass law, Electrochemistry, and elementary applications

of thermodynamics to chemical problems, for Third year Chemistry and Mineralogy. 4. *Chemical Thermodynamics*. A general course on Energetics, with special application to chemical problems, for the Fourth year: Chemistry and Mineralogy.

### Laboratory Regulations.

Each student proposing to attend lectures or practical work in the Chemical Laboratory must apply for a ticket which will have marked on it the number of his seat in the lecture-room, of his hat-rack, of his working place in the laboratory and of his locker. This ticket will be given only to students presenting their registration tickets, and no working place in the laboratory will be allotted until a deposit of three dollars has been made. Each student will be held responsible for the seat, etc., allotted him, and no change may be made without the consent of the professor. At the close of the Easter term this ticket must be presented for certificate of attendance.

Each student is provided with a suitable note-book in which to keep an account of the work done by him during the year. These books will be examined from time to time, and marks will be assigned. The student's standing in practical Chemistry is based upon these marks, together with those assigned for the practical examinations of the term, and for written examinations on the work.

At the beginning of the term the following apparatus will be provided:—*For Qualitative Analysis*: A key; a test tube stand; twelve test tubes; a test tube cleaner; one mortar and pestle; one evaporating dish; two watch glasses; one crucible and cover; a pair of crucible tongs; a package of filter paper; two funnels; a Bunsen burner with rubber tubing; a sandbath and tripod; a blowpipe; a wash bottle; H<sub>2</sub>S generator; a duster. *For Quantitative Analysis*: A key; five beakers; mortar and pestle; evaporating dish; two crucibles and covers; a pair of crucible tongs; a pair of weighing glasses; package of filter paper; two funnels; a Bunsen burner with tubing; an Argand burner with tubing; an exsiccator; a stand and ring; a wash bottle; a duster.

An account will be kept with each student; all apparatus broken or destroyed and all fines will be charged against his deposit, which must be renewed when exhausted.

The apparatus provided is intended for use in the laboratory only, and may not be removed from the building. At the close of the term's work it must be returned clean and dry.

**Biology.**

|                                       |                                    |
|---------------------------------------|------------------------------------|
| R. RAMSAY WRIGHT, M.A., B.Sc.....     | <i>Professor.</i>                  |
| A. B. MACALLUM, M.A., M.B., Ph.D..... | <i>Professor of Physiology.</i>    |
| E. C. JEFFREY, B.A., Ph.D.....        | <i>Lecturer on Biology.</i>        |
| F. H. SCOTT, B.A., Ph.D.....          | <i>Demonstrator in Physiology.</i> |
| W. H. PIERSOL, B.A., M.B.....         | <i>Instructor in Biology.</i>      |
| B. A. BENSLEY, B.A., Ph.D.....        | <i>Instructor in Biology.</i>      |
| C. M. FRASER, B.A.....                | <i>Class-Assistant.</i>            |
| R. B. THOMSON, B.A.....               | <i>Class-Assistant.</i>            |
| S. H. WESTMAN, M.B.....               | <i>Laboratory-Assistant.</i>       |

The lectures and practical instruction in this subject are given in the University Biological Building.

The following arrangements will be in force for 1902-1903:—

1. A course of elementary lectures on Biology will be given twice a week to prepare candidates for the University examination of the First year. For reference: Jeffrey Parker, *Biology*; High School *Zoology*; Atkinson, *Elementary Botany*.

2. An additional series of twenty-five lectures will be delivered to Honour students of the First year and a course of practical lessons involving 100 hours' instruction will be given in connection with the above courses of lectures for such students. Each member of the class will be required to provide himself with a case of instruments and a watchmaker's lens, both of approved pattern.

3. Candidates for the Second year Honour examinations will attend special courses on the Zoology of the Invertebrata and the Anatomy and Classification of the Phanerogams during the Michaelmas Term. A series of lectures and demonstrations on selected topics in Physiology will be delivered during the Easter Term.

4. The practical course for Honour students of the Second year will be arranged so as to form a complement to the lectures on Animal and Vegetal Morphology, but the student is expected to have familiarized himself with certain aspects of the Canadian fauna and flora during the preceding long vacation. For reference: Parker & Haswell, *Text Book of Zoology*, Vol. I.; Spotton's *Canadian Flora*, or Gray's *Manual*; Vines' *Text-book of Botany*, 2. Vols.; Van Tieghem's *Traité de Botanique*, 2nd ed., revised; Coulter's *Seed Plants*; Huxley's *Lessons in Elementary Physiology* (edition of 1900).

5. Honour students of the Third year will study the Zoology of the Vertebrata three days a week during the Michaelmas and part of the Easter Terms, and, during the remainder of the Easter Term, Cryptogamic Botany and Vegetable Physiology. They will also be required to do some collecting work during the preceding long vacation. Books of reference: Parker & Haswell, *Text-book of Zoology*; Lang, *Verglei-*

chende Anatomie; Vines' Text-book of Botany; A. B. Frank, Lehrbuch der Botanik; Van Tieghem, Traité de Botanique, 2nd ed., revised.

6. The practical course for Third year students will be devoted to the study of typical forms of Vertebrate animals and Cryptogamic plants.

7. Wiedersheim-Parker's Elements of Comparative Anatomy of the Vertebrata, Bunge's Physiologische Chemie (last edition), and Foster's Physiology, last English edition, are recommended for Honour students of the Fourth year, and the following works will be required in the practical course: Stöhr's Handbuch der Histologie; Parker's Zootomy; Foster and Balfour's or Milnes Marshall's Embryology; Halliburton's Essentials of Chemical Physiology.

Works of reference on Bacteriology and the other subjects specified in the University curriculum will be found in the laboratory.

8. Honour students of all years are required to pay laboratory supply fees in advance to the Bursar.

### History.

G. M. WRONG, M.A. .... *Professor of Modern History.*

In the lectures the more important movements will be discussed, and attention will be directed to the causes of social and political changes rather than to narrative history. Special emphasis will be laid upon the history of the British Empire.

#### *A. General Course:—*

The General Course covers the history of Mediæval Europe in the Second year, and modern European and American history to the year 1763 in the Third year. In the Fourth year European and American history since 1763 is studied in greater detail, and the course closes with an inquiry into the possibilities of a Philosophy of History. The following list of books has been made as brief as possible, and represents a minimum standard of reading:—

SECOND YEAR: Duruy, Middle Ages, or Emerton, Introduction to Middle Ages; Emerton, Mediæval Europe; Green or Gardiner on England.

THIRD YEAR: Lodge, Modern Europe; Green or Gardiner on England; Fiske, Discovery of America, Chaps. II., III., IV., V., XII.; Goldwin Smith, United States; Roberts, Canada; Bourinot, Canada (Story of the Nations).

FOURTH YEAR: The books by the following authors set forth fully in the Fourth year Honour course should be read:—On Modern History: Morse Stephens, Macaulay, Fyffe or Seignobos, Green or Gardiner, Channing, Bourinot. On the Philosophy of History: Morris's Hegel. The Philosophy of History is so closely associated with anthropological and ethnological questions that students are recommended to take also the course of study prescribed in Ethnology.



*B. Honour Course:—*

Honour work in History is done in five of the Honour departments of the curriculum. In the Department of History the whole course of study on the curriculum in ancient, mediæval and modern history is required during the four years, and this study is combined with that of political economy and constitutional law. In the Department of English and History the study of mediæval and modern history is combined with that of literature, both English and classical; in the Department of Political Science, History is combined with economic and legal study, and in the Department of Classics with Greek and Latin literature. In the Department of Modern Languages History is allowed as an option for Italian or Spanish in the Third year, and together with Historical Grammar for Old English or Italian or Spanish in the Fourth year. Candidates desiring to qualify in the Education Department as specialists in Modern Languages and History are required to take the History option. The essays required must be based upon the study of some of the original authorities for a selected short period, and in judging them regard will be had to both their literary and historical merits.

The following list of works has been made as brief as possible, and represents a minimum standard of reading for the periods covered. The list applies in its entirety only to students in the Department of History. Students taking Honour History in connection with other departments can determine by reference to the curriculum what portions of the list apply to their work. For Constitutional History a list will be found in the Department of Political Science.

SECOND YEAR: *Mediæval History*: Hodgkin, The Dynasty of Theodosius; Bryce, Holy Roman Empire (to the Fall of the Hohenstaufen) Duruy, Middle Ages or Emerton Introduction to Middle Ages; Emerton, Mediæval Europe; Green or Gardiner on England.

THIRD YEAR: *Modern History*: Bryce, Holy Roman Empire (from the Fall of the Hohenstaufen); Lodge, Modern Europe; Symonds, Short History of the Renaissance in Italy; Green or Gardiner on England; Seeley, Expansion of England; Fiske, Discovery of America, Chaps. II., III., IV., V., XII.; Fisher, The Colonial Era (American History Series); Bourinot, Canada (Story of the Nations).

FOURTH YEAR: (a) *Modern History*: Tocqueville, France Before the Revolution; Morse Stephens, European History, 1789-1815; Fyffe, Modern Europe, Period since 1814, or Seignobos, Political History of Europe since 1814; Channing, The United States of America, 1765-1865 (Cambridge Historical Series); Green or Gardiner on England; Bourinot, Canada (Story of the Nations); Morris, Exposition of Hegel's Philosophy of History (Griggs' Philosophical Classics).

(b) *Ethnology*: Keane, Ethnology; Ripley, The Races of Europe. The lectures will be illustrated by maps, skulls, primitive implements, etc.

# Italian and Spanish.

W. H. FRASER, M.A. .... *Professor.*

E. J. SACCO. .... *Special Instructor in Italian.*

P. TOEWS, M.A., PH.D. .... *Special Instructor in Spanish.*

The courses in these subjects extend over four years, and are arranged with the object of giving the student (1) a knowledge of the language of the present time; (2) an appreciation of some of the more important masterpieces of the literature; (3) a knowledge of the historical development of the literature; and (4) an elementary acquaintance with the historical phonology.

FIRST YEAR ITALIAN.—Simple narratives are used as a basis for instruction in grammar, and for the acquisition of vocabulary and idiom. The understanding of Italian when read or spoken, and the expression of thought directly in Italian are regarded as fundamental, and hence oral practice forms a large part of the work throughout the year. Phonetic transcription is employed as a means of giving definiteness to the knowledge of pronunciation and orthography. Bacci e Gotti, *Le Glorie della Patria*, per la terza classe, and Baccini, *Cristoforo Colombo* are used for reading; and Grandgent's *Italian Grammar* (Heath & Co.) is used as a book of reference.

FIRST YEAR SPANISH.—The course in Spanish is parallel in scope, object and method with that in Italian. H. Butler Clarke's *First Spanish Reader and Writer* (London, Swan, Sonnenschein & Co.) is used as a basis for practice in the language, and for instruction in grammar, vocabulary and idiom. Loiseaux' *Spanish Grammar* (Silver, Burdett & Co.) is used as a book of reference.

SECOND YEAR ITALIAN.—Bowen's *Italian Reader* is used as a basis for oral practice in the comprehension of Italian and for exercise in the reproduction of the substance of the text in Italian form. Constant practice is given in phonetic transcription and dictation, and in the understanding of unseen passages when read. Composition in Italian on familiar topics is required. Grandgent's *Italian Composition* (Heath & Co.) is used for additional work in composition and for more systematic instruction in the rules of construction. In the work of the Second year the use of a dictionary entirely in Italian is recommended. Petrocchi's *Novo Dizionario Scolastico* (Milano, Fratelli Treves, price 7 francs) is the most suitable for this purpose.

SECOND YEAR SPANISH.—The course in Spanish is parallel in scope, object and method with that in Italian of the Second year. Garner's *Spanish Grammar* (American Book Co.) and Loiseaux' *Spanish Reader* (Silver, Burdett & Co.) are used as text-books. Exercises in phonetic transcription, dictation, composition and sight translation similar to those in Italian are required. The use of a dictionary entirely in

Spanish is recommended. The *Diccionario Castellano, Campano Ilustrado* (Garnier, Paris, price 7 francs) is the most suitable for this purpose.

**THIRD YEAR ITALIAN.**—Attention is given principally to the systematic study of the history of literature from the origins up to the end of the fifteenth century and to the comprehension and interpretation of illustrative specimens of literature. Lectures on the subject are given, and ten cantos of Dante's *Divina Commedia* are read, together with copious extracts from Petrarca and Boccaccio, and shorter extracts from a number of writers of subordinate importance. Students are required to provide themselves with Dante's *Divina Commedia* (ed. Fraticelli, Firenze, Barbèra, recommended), and with Vol. I. of Torracca's *Manuale della Letteratura Italiana* (3rd ed., Firenze, Sansoni, 1894). In the work of the Third year the use of a dictionary entirely in Italian is recommended. Petrocchi's *Novo Dizionario Scolastico* (Milano, Fratelli Treves, price 7 francs) is the most suitable for this purpose.

**THIRD YEAR SPANISH.**—The course in Spanish is parallel in scope, object and method with that in Italian of the Third year. The period of literary history covered is that extending from the origins to about the death of Cervantes (exclusive of the drama). Ten chapters of Cervantes' *Don Quijote* and illustrative extracts from a number of writers of subordinate importance are read. Students are required to furnish themselves with a copy of *Don Quijote* (Kressner's edition, Vol. I., Renger, Leipzig, recommended), with the *Manual de Literatura de Giner de los Ríos, Primera Parte* (Madrid, Surez, 1899), and with Keller's *Altspanisches Lesebuch* (Leipzig, Brockhaus). For the work of the Third year the use of a dictionary entirely in Spanish is recommended. The *Diccionario Castellano, Campano Ilustrado* (Garnier, Paris, price 7 francs), is the most suitable for this purpose.

**FOURTH YEAR ITALIAN.**—The course is practically a continuation of that of the Third year, and similar methods are employed. Lectures are given on the history of literature from Ariosto, inclusive, to the present time. Considerable portions of Ariosto and Tasso are read, together with numerous illustrative extracts from writers of subordinate importance. The elements of historical phonology are briefly presented, and further instruction in this subject is given incidentally in connection with the readings in literature. Students are required to provide themselves with Vols. II. and III. of Torracca's *Manuale della Letteratura Italiana* (3rd edition, Firenze, Sansoni, 1895 and 1897, respectively). The use of a dictionary entirely in Italian is recommended. Petrocchi's *Novo Dizionario Scolastico* (Milano, Fratelli Treves, price 7 francs), is the most suitable for this purpose.

**FOURTH YEAR SPANISH.**—The course in Spanish is parallel in scope, object and method with that in Italian of the Fourth year. The period

of literary history covered is that extending from the beginning of the 17th century to the present time, with the addition of the history of the drama from its origin. Calderon's *La Vida es Sueño* is read, together with numerous illustrative extracts from writers of subordinate importance. The elements of historical phonology are briefly presented, and further instruction in this subject is given incidentally in connection with the readings in literature. Students are required to provide themselves with a copy of *La Vida es Sueño* (Kressner's edition, Leipzig, Renger, recommended), with the *Curso de Literatura de García Aldeguér y Giner de los Ríos* (Madrid, Administracion de la Biblioteca andaluza, 1889), and with Keller's *Altspanisches Lesebuch* (Leipzig Brockhaus). The use of a dictionary entirely in Spanish is recommended. The *Diccionario Castellano, Campano Ilustrado* (Paris, Garnier, price 7 francs), is the most suitable for this purpose.

### Philosophy.

- J. G. HUME, M.A., PH.D.....*Professor of History of Philosophy.*  
 A. KIRSCHMAN, M.A., PH.D....*Associate-Professor of Philosophy and  
 Director of the Psychological Laboratory.*  
 F. TRACY, B.A., PH.D.....*Lecturer on Philosophy.*  
 A. H. ABBOTT, B.A.....*Instructor and Assistant in Psychological Laboratory.*  
 W. G. SMITH, B.A.....*Laboratory Assistant*

The work of this Department is pursued during the Second, Third and Fourth undergraduate years. The course embraces Logic, Psychology, Metaphysics, Ethics and History of Philosophy. In every case the work in Philosophy of the General Course is to be taken by Honour students, and will be counted along with the Honour work in determining their standing.

### LOGIC.

#### *A. General Course:—*

SECOND YEAR.—A course of lectures is given dealing with the scope and method of Logic; the nature of Deductive and Inductive Reasoning, and their relation to each other; the Definition of Terms; the Laws of Thought; the Forms of the Judgment and their mutual relation; the Syllogism; the Canons and Methods of Inductive inquiry; the detection and rectification of ambiguities in reasoning and logical fallacies. Exercises in logical problems are given from time to time and corrected. Books recommended: Creighton, *Introductory Logic*; Jevons, *Elementary Lessons in Logic*; Fowler, *Inductive Logic*; Hyslop, *The Elements of Logic*.



*B. Honour Course:—*

SECOND YEAR.—A brief course of lectures in the Easter Term in which honour students are introduced to the fundamental epistemological questions that underlie all Logic. Reading: Creighton, *Introductory Logic*, Part III.

THIRD YEAR.—A course is given in the study and criticism of Mill's *System of Logic*, the exposition of scientific methods, and the discussion of the philosophical presuppositions underlying theories of Induction. The ground covered in the lectures of the General Course will not be taken up here, but will be presupposed. Books recommended: Mill, *System of Logic*; Bradley, *Principles of Logic*; Venn, *Empirical Logic*; Jevons, *Principles of Science*; Sigwart, *Logik*.

## PSYCHOLOGY.

*A. General Course:—*

SECOND YEAR.—The lectures deal, in a general way, with the phenomena of consciousness, their description, co-relation and classification; covering, in outline, the whole field of psychic phenomena. The course is designed to introduce the subject to familiarize the student with fundamental principles, and lead him to observe his own mental states. Term work is required. Books recommended: Wundt, *Grundriss der Psychologie* (English translation); Hoffding, *Outlines of Psychology*; Titchener, *Primer of Psychology*.

*B. Honour Course:—*

SECOND YEAR.—An introductory course on Experimental Psychology is given, dealing with the senses of taste and smell, and the dermal and kinæsthetic senses. Special attention is given to the Psychophysical methods and their application. In this connection students are required to familiarize themselves with the elements of the Infinitesimal Calculus and Analytical Geometry. Books recommended: Wundt, *Outlines of Psychology*, Human and Animal Psychology; Ladd, *Elements of Physiological Psychology*; Scripture, *The New Psychology*.

THIRD YEAR.—(a) General: The lectures deal with such special problems as: Association, Memory, Attention, Emotion, Volition. Books recommended: Wundt, *Outlines of Psychology*, Human and Animal Psychology; Külpe, *Outlines of Psychology*; Bain, *Senses and Intellect, Emotions and Will*; James, *Psychology*; Baldwin, *Handbook, The Mental Development in the Child and the Race*; Ladd, *Psychology Descriptive and Explanatory*; Sully, *the Human Mind*; Stout, *Analytic Psychology*; Tracy, *Psychology of Childhood* (2nd ed.).

(b) Experimental: The lectures on experimental Psychology (three hours per week) deal with the chief problems of contemporary Psychology, in so far as they are accessible to exact experiment, special attention being devoted to the Psychology of the higher senses (Psychological

Optics and Acoustics) and to the time-relations of Mental Phenomena. The practical work (one to two hours per week) in the laboratory is designed to afford the student an opportunity to become familiar with experimental methods. There is no text-book for this course; but as recommended books may be mentioned: Wundt, *Physiologische Psychologie* (4th ed.); Ladd, *Elements of Psychology*; Wundt, *Human and Animal Psychology* (English translation by Titchener and Creighton); Külpe, *Outlines of Psychology*; Ribot, *German Psychology of To-day*; Sanford, *Laboratory Course*.

FOURTH YEAR.—The Fourth year consists partly of a supplementary series of lectures on metaphysical problems in their relations to Psychology, and partly of experimental work in the laboratory. The students work in groups under the guidance of the Director of the Laboratory or his assistants, upon special experimental investigations. The subjects of these investigations, which are at the same time intended to lead to useful results and to make the students familiar with the nature and difficulties of exact research, are arranged at the beginning of the term. The students are required to acquaint themselves with the literature relating to their special subject, to keep a record of their investigations, and to hand in at the end of the Easter term a detailed statement of results obtained, and of their significance.

Graduates have full opportunity for independent investigations in the Laboratory.

#### METAPHYSICS.

##### *Honour Course:—*

SECOND YEAR: Theory of Knowledge.—Honour students are required to read Locke's *Essay on the Human Understanding*; Berkeley's *Principles of Knowledge*; and Hume's *Treatise on Human Nature*, Book I. They are expected to write expository summaries of these works, and to discuss and criticise them in the class. It is the aim of the lectures to assist the student in making the transition from observation and analysis of mental phenomena to the reflective consideration of the underlying philosophical principles. Books recommended: Fraser, *Selections from Berkeley, Locke and Berkeley* (Blackwood's Series); Green, *Introduction to Hume, Prolegomena to Ethics* Book I.; Aikins, *The Philosophy of Hume*; Ward, *Psychology in Encyclopædia Britannica*, 9th ed.; Dewey, *Psychology*.

FOURTH YEAR.—Theories of knowledge and Being: Several courses are given as follows: 1. A course of lectures setting forth the lecturer's views of the principles and methods of philosophical speculation, and showing the inter-relation of Logic, Psychology, Metaphysics and Ethics. No text-books are prescribed in this course, but certain reading may be recommended from time to time in the lecture-room. 2. A careful study of Aristotle's *Metaphysics*, and Kant's *Prolegomena*. Kant's *Critiques*

will be studied in connection with the class in History of Philosophy (see History of Philosophy, IV. year). 3. Lectures on the chief problems of Philosophy, as they have been dealt with by representative thinkers: (a) For 1904 they will be based upon the Metaphysical works of Descartes, Spinoza, Leibnitz, Lotze, Wundt. (b) For 1903 these lectures will be based upon the works of Hamilton, Mansel, Comte, Mill and Spencer. 4. A seminary is held for the study of advanced Metaphysical problems.

In the seminars papers are read and discussed by the members. Everything is done to encourage independent thinking on the part of the students. Graduates may become members of any of the seminars in the Department of Philosophy by arrangement with the professor in charge.

#### *A. General Course:—*

FOURTH YEAR.—A course is given, intended as an introduction to the critical study of Philosophy. The student is led to trace the development of philosophical speculation from the beginning of Modern Philosophy up to the time of Kant; to discover the relation of the various thinkers to one another; to estimate the contribution made by each; and to note how inadequacies and errors were subsequently met and corrected. Books recommended: Weber, Windelband, Falckenberg, Schwegler.

#### *B. Honour Course:—*

THIRD YEAR.—Lectures are given on the History of Ancient and Mediæval Philosophy. The chief centre of interest is the Platonic Philosophy; but the Pre-Socratic and Post-Aristotelian periods are dealt with as fully as time permits; the former, as the essential prelude to the study of the Platonic Philosophy; the latter, as showing the various directions in which its influence was felt in later times. The influence of Christianity on philosophic thought; the main features of Scholasticism; and the preparation of the thinking world for Modern Philosophy are considered. Special attention is given to connecting links, and the relation of the thinkers to one another. An extra hour a week will be devoted to a more special study of some of the more important Platonic Dialogues. Books recommended: Weber; Zeller; Ueberweg; Butler; Erdmann; Windelband; Ferrier; Schwegler; Benn; Tennemann; Burt; Mayor; Jowett's Plato; Grote's History of Greece (chapter on the Sophists); Aristotle's works.

FOURTH YEAR.—(a) Pre-Kantian Period: Honour students will attend the lectures on this period given to the students of the General Course (see above), and the class reading selections in Metaphysics (see Metaphysics Fourth year). Books recommended: Erdmann; Ueberweg. (b) Kant: The development of the Kantian Philosophy, through the

Critiques and Prolegomena, is followed. The Kritik der reinen Vernunft and the Kritik der Urteilstkraft are carefully studied in the class, essays by the students, are read and discussed, and lectures are given on Kant's relation to previous philosophers, the significance of his new method, the various links in his system and the positive and negative elements in his philosophy. Books recommended: Caird; Watson; Morris; Stirling; Mahaffy and Bernard; Adamson; Vaihinger; Erdmann; Riehl. (c) Post-Kantian Period: Lectures will trace the development of Idealism after Kant, sympathetic and antagonistic. Special attention is given to Fichte, Schelling, Hegel, Schopenhauer, Von Hartmann, Herbert Spencer and Wundt.

A seminary in the History of Philosophy is conducted for the reading and discussion of papers written by the students. Books recommended: (a) General Histories: Kuno Fischer; Windelband; Falckenberg; Ravaisson; Lewes; Morell; Külpe; Paulsen. (b) Special: On Hobbes, Croom Robertson; on Descartes, Kuno Fischer; on Spinoza, Pollock, Caird; on Locke, Berkeley and Hume, Green, Frazer, Selby-Bigge; on Leibnitz, Dewey, Latta; on Scottish Philosophy, Seth, Murray, Bowen, McCosh; on Kant (see above); on Fichte, Everett, Adamson; on Schelling, Watson; on Hegel, Wallace, Caird, Harris, Royce, Sterrett; on Spencer, Watson, Collins; on Schopenhauer and Von Hartmann, Bowen, Caldwell.

NOTE.—Candidates from St. Michael's College may substitute Lormer's Institutes of Law for Kant's Ethics in the Fourth year; and also Aristotle's Ethics, Books I.-IV. in the original, and one of Plato's Dialogues in the original, for the Experimental Psychology in the Fourth year.

### Political Science.

JAMES MAVOR.....*Professor of Political Economy and Constitutional History.*

A. H. F. LEFROY, M.A.....*Professor of Roman Law.*

J. MCGREGOR YOUNG,, B.A.....*Professor of Constitutional and International Law.*

S. M. WICKETT, B.A., PH.D...*Lecturer in Political Economy.*

#### A. General Course:—

Lectures will be given as follows to those students who require to take Political Science in the General Course.

THIRD YEAR.—*Constitutional History.* The elements of English Constitutional History. Books for reference: Fielden's Constitutional History; Henderson's Historical Documents of the Middle Ages; Taswell-Langmead, Constitutional History of England; Bagehot, The English Constitution; Dicey, the Law of the Constitution.



FOURTH YEAR.—*The Elements of Political Economy.* The lectures, text-books and examinations are the same as those prescribed for students taking the Second year Honour course. See below.

*Canadian Constitutional History.* See synopsis of this subject in Honour course below.

*B. Honour Course:—*

The special subjects of study in the Honour course in Political Science are economic history and theory, constitutional history, international and constitutional law, jurisprudence, history and philosophy with special reference to the growth of political ideas. The Honour course begins in the Second year in Arts and continues for three years.

Prior to entrance into the Honour course in Political Science, candidates must have passed the Honour examination of the First year in one or other of the following subjects: Latin; Greek; any two of the three languages, English, French, German.

SECOND YEAR.—*Economics.* The lectures give a general introduction to the study of modern political economy. The chief text-book is Marshall's *Principles of the Economics of Industry*, Vol. I. The following works will also be found useful: Bücher's *Industrial Evolution*, trans. S. M. Wickett; Gide's *Political Economy*; Smart's *Introduction to the Theory of Value*; Devas' *Political Economy*; Ely's *Introduction to Political Economy*; Mavor's *Economic History, Tables and Diagrams*.

*English Constitutional History to Magna Charta.* The chief topics are the Hundred and County Courts, the Witenagemot, the Feudal System. The principal constitutional documents are required to be studied. A list of these documents is furnished to students. For reference, selected portions of Stubbs' *Constitutional History*, to be designated by the lecturer; Fielden's *Constitutional History*; Henderson's *Historical Documents of the Middle Ages*; *Introduction to Stubbs' Select Charters*; Freeman's *Growth of the English Constitution*; Bagehot's *English Constitution*; Wakeman & Hassall's *Constitutional Essays* (excepting Essay I.); Taswell-Langmead's *English Constitutional History*.

*Roman History to 266 B.C.* Mommsen, Books I. and II., and Fustel de Coulanges' *La Cité Antique*. See Department of Classics.

*Mediaeval History to 1300.* See Department of History.

*Mathematics.* Special class in the elements of the Infinitesimal Calculus with Elements of Analytical Geometry.

THIRD YEAR.—*History and Criticism of Economic Theory.* The course of lectures will present a systematic account of the development of the history of economic theory and a criticism of current economic theories of value, interest, rent, wages and international trade. The chief text-book for the work of the Michaelmas Term is Ingram's *His-*

tory of Political Economy, and for the work of the Easter Term, Marshall's Principles of Economics, Vol. I. Students are also expected to study Böhm-Bawerk's Capital and Interest, and The Positive Theory of Capital (transl. Smart); Wieser's Natural Value; Smart's Introduction to the Theory of Value. The following books will also be useful: Cossa's Introduction to the Study of Political Economy; Bonar's Philosophy and Political Economy; Nicholson's Principles of Economics; Keynes' Scope and Method of Political Economy, Chaps. 1-3, 7, 9. Bastable's Theory of International Trade, and the Commerce of Nations; Adam Smith's Glasgow Lectures, ed. Cannan; Adam Smith's Wealth of Nations, ed. Nicholson; Ricardo's Works, ed. Gonner.

In the lectures an outline is presented of the History of Statistics, and methods of statistical tabulation are studied.

The chief text-books are:—Meitzen, History, Theory and Technique of Statistics (supp. vol. to Annals of American Academy of Political and Social Science), Philadelphia, 1891; and Bowley, Elements of Statistics. See also article, Statistics in Encyclopædia Britannica.

*For Reference:* Mayo-Smith, Statistics and Sociology; *ibid*, Statistics and Economics; The Statesman's Year Book; Block, Traité théorique et pratique de Statistique; Georg von Mayr, Statistik and Gesellschaftslehre; publications of Royal Statistical Society; publications of the American Statistical Association; Census Reports, and Statistical Year-book of Canada; Reports of Ontario Bureau of Industries.

*Modern History, from 1300 to 1763.* See Department of History.

*English Constitutional History from Magna Charta.* The lectures are in continuation of those of the Second year. They deal with the Growth of Parliament, and of Responsible Government. The books recommended are the same as those in the Second year.

*English Constitutional Law.* After a preliminary account of the nature of Constitutional Law in general and the distinctive features of the English Constitution, the lectures will deal with the legislative, executive and judicial departments. The constitution, functions and privileges of the two Houses of Parliament; the Cabinet and its relation to the Crown and Parliament; the prerogatives; the conventions; the constitutional functions of the courts, and the position of the subject under English law, are the principal topics of the course. For reference:—Dicey's Law of the Constitution; Anson's Law and Custom of the Constitution; Hearn's Government of England; Traill's Central Government; Boutmy's Studies, Part 1; Bagehot's English Constitution; Broom's Constitutional Law; Burgess' Political Science and Constitutional Law; Selected Statutes and Decisions.

*Colonial Constitutional Law.* The lectures on this subject trace the sources of Colonial Constitutional Law; the prerogatives of the Crown

in the constitution of colonial governments; different forms of government; colonies by occupaney; colonies by cession and conquest; powers of Parliament in respect to the colonies; conventional limitations arising from local self-government. For reference: Creasy's Constitutions of the British Empire; Forsyth's Cases and Opinions on Constitutional Law; Todd's Parliamentary Government in the Colonies, as far as page 318; Tarring's Law in Relation to the Colonies.

*History of English Law.* The history of the English law from the Roman Conquest until the Norman Conquest; the Roman occupation; the Saxon invasions; the laws of the Confessor; the change effected in the law, especially of real property, by the Conqueror and his successors,—the introduction or extension of the feudal system; the difference between that system on the continent and in England; the creation of new tenures; the Great Charter and its frequent renewals, as showing the condition of the people, and the evils to be remedied; the great changes effected by the legislation of Edward I. and Edward III.; the creation of entailed estates; the struggle to obtain power to alienate them; legislation to restrict alienations in mortmain; the evasion of the law; the law giving power to devise lands, and the legislation of Elizabeth to prevent frauds upon creditors and purchasers; the abolition of feudal tenures by Charles II. The efforts in the reign of George III. to ameliorate the criminal law, and the English Statutes after 1792 that have their counterpart in our Colonial legislation are discussed and explained. For reference: Reeve's History of English Law; Pollock and Maitland's History of English Law; Hale's History of English Law; Blackstone's Commentaries; R. Storry Deane's Students' Legal History; a collection of English Statutes, and the Revised Statutes of Canada, and of Ontario.

*History of Roman Law.* The lectures on Roman Private Law comprise a sketch of the history of the law from the time of the decemviri to the death of Justinian, giving an account of the growth of the unwritten law, of judicial legislation to the suppression of the formulary system of Diocletian, and from that time to the death of Justinian, and treating of the statutory legislation during the Republic and under the Empire, and of the several attempts to form a code, finally terminated by the work of Justinian. The larger number of lectures is devoted to the substance of Roman Law during the reign of Justinian. The law of testamentary succession, the various kinds of wills, the duties of the heir, the gift of legacies, and the history of trust gifts and codicils are explained. The remedial processes for the protection and enforcement of rights are traced from the *legis actiones*, the changes effected by the formulary system, the summary jurisdiction of the prætor, the abolition of the formulary system, terminating in the *extraordinaria cognitio*. The series is closed by a discussion of the law as to specific performance of contracts; of the law as to frauds upon creditors; and an ex-



amination of the influence of Christianity upon Roman legislation. For reference: Muirhead's Historical Introduction to the Private Law of Rome; Sandar's Justinian; Institutes of Gaius, translated by Muirhead. The Digest, the Code, and the Novels should be consulted. Merivale's History of the Romans.

**FOURTH YEAR.—*Economic History.*** The lectures will trace economic history from the early middle ages down to modern times, with special reference to England. Books recommended: Ashley's Economic History, Parts I., II.; Toynbee's The Industrial Revolution; Seeböhm's English Village Community; Vinogradoff's Villenage in England; Gomme, The Village Community; Gross' Gild Merchant, Chaps. 1-4; Rogers' Six Centuries of Work and Wages, Chaps. 1-6, 8-10; Cunningham's Growth of English Industry and Commerce (ed. 1890); Marshall's Principles, Book I., Chaps. 2, 3; Jevons' State in Relation to Labor, Chaps. 3, 4, 6, 7; Fowle's Poor Law, Chaps. 1, 3, 4; D. A. Wells' Recent Economic Changes; Ely's Labor Movement in America, Chaps. 3, 4; Webb's History of Trade Unionism; Menger's Right to Labor.

***Public Finance.*** The lectures will deal with National and Local Finance, and with important questions of modern Economic policy. They will discuss, among other topics: the History of Public Finance and of Financial Science; the Currency and Banking Systems of Great Britain, Canada and the United States; Public Debts and the Policy of National and Local Governments in relation to them; Methods of Extinction and Conversion of Debt; Sinking Funds; Public Domain—Lands, Forests, Minerals; Railroad Policy, its history in Europe and America; Principles of Taxation; Incidence of Taxation; Tariff Policy—outline of its history in Great Britain, Canada and the United States; Local Taxation in Canada and the United States. Books recommended: Bastable's Public Finance; Bastable's The Theory of International Trade; Seligman's The Incidence of Taxation; Seligman's Essays in Finance; Elliott's The Tariff Controversy in the United States; Cossa's Taxation; Dunbar's Theory and History of Banking; Walker's Money, Trade and Industry; Adams' Public Debts; Ely's Taxation; Hadley's Railroad Transportation; Mavor's English Railway Rates; Bagehot's Lombard Street; Jevons' Money; Leroy-Beaulieu's Science des Finances, Livre II., Chaps. 4, 5, 9, 10; Giffen's Essays in Finance, first series, IX.; Taussig's Tariff History of United States.

***Modern History from 1763 to the present time.*** See Department of History.

***Political Philosophy.*** History and Criticism of Political Theories. The following are recommended for study: Sidgwick's Elements of Politics; Pollock's History of the Science of Politics; Bonar's Philosophy and Political Economy; Ritchie's Principles of State Interference; Seeley's Introduction to Political Science; Mackenzie's Introduction to Social Philosophy.



*General Jurisprudence.* In lecturing on this subject, the attention of the student is directed to the definition and analysis of *law* and of *rights*, to the sources of law, to the classification of rights, to the consideration of antecedent rights *in rem* and *in personam*, to remedial rights, to adjective private law, to the nature of public law and its various divisions, to international law, and to the application of law. Students are recommended to read the following books: T. E. Holland, *Elements of Jurisprudence*; Austin's *Elements of Jurisprudence* (Campbell's Students' edition); Sir H. Maine, *Ancient Law*, and in his *Lectures XII., XIII., Early History of Institutions*. They may also refer to Sir W. Markby, *Elements of Law*; O. W. Holmes, *Common Law*; Sir F. Pollock, *First Book of Jurisprudence*; Sir H. Maine's works so far as not above specified.

*Public International Law.* The opposing views as to the nature and methods of International Law are first considered, and the development of the modern system briefly traced. The fundamental principles of modern International Law are discussed and such topics as intervention; The European Concert; The Monroe Doctrine; and the debateable rights and duties of neutrals receive especial consideration. Current questions are examined by way of illustration. The books for reference are Hall, Wheaton (Boyd's ed.); Lawrence; Walker; Kent; Wharton's *Digest*; Phillimore and the *Encyclopedia of English Law*.

General Jurisprudence and Public International Law together are alternative to the Honour History of Philosophy of the Fourth year, for which see Department of Philosophy.

*Federal Constitutional Law.* The lectures deal with the essential features of Federal Government in a comparative view of the Federal States. Special attention is given to the constitutions of Canada and the United States. The Sources of the American Constitution; its principal provisions; its checks and balances; the operation of usage and judicial interpretation, and its practical working are considered.

The lectures upon the Canadian Constitution are addressed mainly to the decisions upon the British North America Act, with special reference to the distribution of legislative power. References:—Clement's *Constitution of Canada*; Lefroy's *Legislative Power*; Houston's *Constitutional Documents*; Todd's *Parliamentary Government in the Colonies*, p. 318 to the end; Cartwright's *Cases on the B. N. A. Act*; Cooley's *Principles of Constitutional Law*; Bryce's *American Commonwealth*; Boutmy, Parts 2 and 3; Woodrow Wilson's *Congressional Government*; Miller, Story, Hare and Pomeroy on the *Constitution of the United States*.

*Canadian Constitutional History.* Character of French Settlement; Nature of European Claims to Territory; Government by Trading Companies; Growth of Rule by Colonial Policy as distinguished from Trading Company Policy; Establishment of Provincial Organization in 1663;

the Sovereign Council; Growth of the Superior Council; Local Government; Land Tenures; Church and State; the Conquest; Treaty of Paris; English Colonial Policy; Struggle for Responsible Government; Growth of Parties in Upper and Lower Canada; Lord Durham's Report; Union Act; Quebec Conference; Confederation; Relation of Dominion to Great Britain; Relation of Provinces to Dominion; Comparison of B. N. A. Act with Constitutions of United States and of England; Growth of Local Government in Ontario; A list of the principal constitutional documents which are required to be studied will be furnished to students. For reference: Bourinot's Constitutional History of Canada; Ashley's Earlier Constitutional History of Canada; Parkman's works with special reference to the Old Régime; Biggar's Early Trading Companies of New France; Munro's Constitution of Canada; Story's Introduction to Constitution of the United States; Houston's Canadian Constitutional Documents; Christie's History of Lower Canada; Kingsford's History of Canada; McEvoy's The Ontario Township (University of Toronto Studies in Political Science, first series, No. 1); Wickett, City Government in Canada (Pol. Sc. Quart., 1900).

*Term Work in Honours.* The following term work is required in subjects to be prescribed by the Professor of Political Economy and Constitutional History:—

SECOND YEAR: Two essays in each term, in all four essays; and also a Term examination to be held before or shortly after Christmas vacation.

The first term essay of the Second year may be written during the preceding summer vacation. The essay is to be not more than 3,000 words and must treat of the industrial conditions, or some phase of those conditions, of the locality in which the student resides. The object of the essay is to lead the student to careful research. Authorities must be noted in every instance.

THIRD YEAR: Two essays in each term, in all four essays; and also a Term examination to be held before or shortly after Christmas vacation.

FOURTH YEAR: Two essays in each term, in all four essays, and also a Term examination to be held before or shortly after Christmas vacation.

In each year such term work and examination count for Honours as one paper in the annual examination.

*Summer Economic Work.* Students in Political Science are advised to study economic conditions in the localities where they reside during vacation. For the encouragement of summer economic work of this nature the Political Science Club offers for 1901 two prizes in books of the value of \$10 and \$5. Essays must be handed in to the Honorary President of the Club by the 15th of November.

The Departmental Library in Economics is open under certain conditions to all Honour students in the Department of Political Science. Tutorial classes in Economics and in Constitutional History are held several times each week during the Michaelmas and Easter terms. Facilities for research are afforded to senior students and also to graduates who desire to prosecute the study of any of the subjects in the Department.

## COLLEGE SUBJECTS.

### Greek and Greek History.

#### UNIVERSITY COLLEGE:

MAURICE HUTTON, M.A., LL.D. *Professor of Greek.*

A. CARRUTHERS, M.A. .... *Lecturer on Greek and Greek History.*

#### VICTORIA UNIVERSITY:

A. R. BAIN, M.A., LL.D. .... *Professor of Ancient History.*

J. C. ROBERTSON, B.A. .... *Professor of the Greek Language and Philosophy.*

A. L. LANGFORD, M.A. .... *Associate-Professor of Greek Literature.*

*(The division of the examination papers given below in Greek and Latin has been recommended to the Senate by the Professors for insertion in the instructions to examiners.)*

The examination papers in the First year will be distributed as follows: 1. Greek Grammar (half paper). 2. Greek Prose. 3. Greek Sight Translation (half paper). 4. Greek History (half paper). 5. Homer (pass), and Lysias (or Lucian). 6. Herodotus and Homer (honour).

The examination papers in the Second year will be distributed as follows: 1. Greek Grammar (half paper). 2. Greek Prose. 3. Greek Sight Translation (half paper). 4. Greek History (half paper). 5. Euripides and Plato. 6. Sophocles, Aristophanes and Thucydides.

The examination papers in the Third year will be distributed as follows: 1. Grammar and Philology (half paper). 2. Greek Prose. 3. Greek Sight Translation (half paper). 4. Greek History and general questions on Greek Philosophy up to Socrates (inclusive) (half paper). 5. Plato (with questions on Platonic Philosophy). 6. Aristotle (with questions on Aristotelian Philosophy). 7. Thucydides, Pindar and Sophocles. 8. Aristophanes and Demosthenes.

The examination papers in the Fourth year will be distributed as follows: 1. Greek Prose. 2. Greek Sight Translation. 3. Plato and Aristotle's Ethics. 4. Thucydides (two-thirds of the paper) and Herodotus. 5. Æschylus, Homer and Theocritus. 6. Aristotle, Poetics, with the other books prescribed therewith (translation and questions) (half paper). 7. Aristotle, Politics, IV., V., with the books prescribed therewith (*vide* paragraph (9) in the Greek course, p. 103) or Descriptive

and Comparative Syntax (*vide* paragraph (9) in the Latin course, p. 103). 8. Greek History and general outlines of Greek Philosophy up to Aristotle (inclusive), (Weber), and Aristotle's Politics, Book II.

### Latin and Roman History.

#### UNIVERSITY COLLEGE:—

J. FLETCHER, M.A., LL.D.....*Professor of Latin.*  
W. S. MILNER, M.A.....*Lecturer on Latin and Roman History.*  
G. W. JOHNSTON, B.A., PH.D...*Lecturer on Latin.*

#### VICTORIA UNIVERSITY:—

A. J. BELL, M.A., PH.D.....*Professor of Latin.*  
A. R. BAIN, M.A., LL.D.....*Professor of Ancient History.*

The examination papers for Honours in this Department will be distributed as follows:—

FIRST YEAR.—1. Latin Grammar (half paper). 2. Latin Prose. 3. Latin Sight (half paper). 4. Roman History (half paper). 5. Virgil and Cicero (*Philippic II*). 6. Horace and Cicero (*Pro Milone* and *Pro Murena*).

SECOND YEAR.—1. Latin Grammar (half paper). 2. Latin Prose. 3. Latin Sight (half paper). 4. Roman History (half paper). 5. Livy and Tacitus. 6. Virgil, Horace and Catullus.

THIRD YEAR.—1. Grammar and Philology. 2. Latin Prose. 3. Latin Sight (half paper). 4. Roman History (half paper). 5. Roman Satire. 6. Virgil, Plautus and Terence. 7. Tacitus and Cicero (with the outlines of the Stoic and Epicurean Philosophy).

FOURTH YEAR.—1. Latin Prose. 2. Latin Sight. 3. Roman History. 4. Sallust, Cicero, Tacitus, etc. 5. Lucretius and Virgil. 6. Quintilian (with the History of Roman Poetry) (half paper). 7. Cicero, *De Finibus* and *Academica* (with the History of Post-Aristotelian Philosophy). 8. Comparative Syntax (for those who do not take Aristotle's Politics, Books I. and III.).

### English.

#### UNIVERSITY COLLEGE:

W. J. ALEXANDER, B.A., PH.D....*Professor.*  
D. R. KEYES, M.A.....*Lecturer.*

#### VICTORIA UNIVERSITY:

A. H. REYNAR, M.A., LL.D.....*Professor.*  
L. E. HORNING, M.A., PH.D.....*Professor of Old English.*  
A. E. LANG, B.A.....*Associate-Professor of Rhetoric.*

#### A. General Course:—

FIRST AND SECOND YEARS.—An attempt is made to develop the understanding and appreciation of literature through the study of two plays of Shakespeare in the First year, and of selected poems of Nineteenth Century Writers in the Second year. Students are expected, in



the case of Shakespeare, to master for themselves the explanatory notes of some good edition, such as the Clarendon Press or Rolfe's.

Composition is taught in connection with the study of prose literature. The methods of the various forms of composition are investigated in selections from good writers. An original essay on a subject set by the instructor is required of each student on or before each of the following dates: October 31st, December 15th, February 1st, and March 15th. If any articles or books are read in preparation for such essays, the titles of these and the parts specially made use of must be definitely specified in each essay. The marks assigned for these four essays count as term work at the final examination (80 marks out of 200).

**THIRD AND FOURTH YEARS.**—In these years the literature of a period is studied, and an attempt is made to enable the student not only to appreciate and understand the individual works selected, but also to grasp their relation to one another, and the way in which they give expression to the personality of the writer and the tendencies of the time.

*B. Honour Course:—*

The work prescribed in the General Course is also incumbent upon Honour students, but a fuller and more advanced knowledge is expected than in the case of General students. The marks assigned for compositions during the term will count as one paper at the annual examinations.

The special Honour work is intended to broaden the knowledge and deepen the insight which the student may acquire in the General work. In the Third year, besides additional work in the period prescribed in the General Course, the study of Old English is begun. In the Fourth year this last-mentioned work is continued, and a course on Historical Grammar is given. In literature, the student is expected to make a minute study of certain typical works, and to extend his acquaintance with the period by a careful reading of other prescribed books. The class work is devoted partly to a special examination of the prescribed selections, partly to an exemplification by lectures of the general characteristics of the various writers and periods.

### French.

UNIVERSITY COLLEGE:

J. SQUAIR, B.A. .... *Professor.*

J. H. CAMERON, M.A. .... *Lecturer.*

ST. ELME DE CHAMP. .... *Special Instructor.*

VICTORIA UNIVERSITY:

O. P. EDGAR, B.A., PH.D. .... *Professor.*

EUGÈNE MASSON .... *Instructor.*

*A. General Course:—*

In all the years special stress will be laid on grammar, pronunciation and translation into French, commencing in the First year with simple

exercises in each of these subjects, and continuing with those of a more difficult character to the end of the Fourth year. In the First and Second years, particular attention will also be paid to careful translation from French into English; a short text in modern French will be read in class in each of these years. In the Third year the prose texts, and in the Fourth year the poetical and dramatic texts, belonging to various periods, which have been prescribed by the University, will be read and will be illustrated by such critical and historical lectures as may be necessary for their proper understanding and appreciation.

*B. Honour Course:—*

As in the General Course, special stress will be laid, in all the years, on grammar, pronunciation and translation into French. In addition to these subjects there will, in the Honour course, be regular and continuous exercises in conversation and composition in French during the Second, Third and Fourth years. The study of literature will begin in the Second year, the period for this year being the Seventeenth century; the Eighteenth century will be studied in the Third year, and the Nineteenth century in the Fourth year. In each year appropriate critical and historical lectures will be given for the purpose of aiding students to thoroughly understand and appreciate the works, belonging to each period, which are prescribed by the University. During the Third and Fourth years, students will be expected to read systematically some good grammar of the French language. In these two years, also, lectures will be given on the History of the French language, the lectures to be illustrated in the Third year by a selection from the *Chanson de Roland*. Students of the Fourth year will be encouraged to undertake the independent study of topics in connection with the history of the language and literature. Barbier, *The Pictorial French Course*.

**German.**

UNIVERSITY COLLEGE:

W. H. VANDERSMISSEN, M.A. .... *Professor*.

G. H. NEEDLER, B.A., PH.D. .... *Lecturer*.

P. TOEWS, M. A., PH.D. .... *Instructor*.

VICTORIA UNIVERSITY:

L. E. HORNING, M.A., PH.D. .... *Professor*.

A. E. LANG, B.A. .... *Associate-Professor*.

The courses in this subject comprise (1) the study of the literary language of classical authors of the 18th and 19th centuries; (2) practice in writing and speaking German as illustrative of and a means to the above-mentioned end; (3) the history of German literature; and (4) for the Honour courses the elements of the history of the language.

*A. General Course:—*

Practice in dictation, translation into German, and exercises in translation at sight, will be regularly given.

Students of the Third and Fourth years will read carefully the texts prescribed, and will have more advanced work in grammar, composition and sight translation. An outline of the literature prescribed will be given in lectures.

*B. Honour Course:—*

(a) Exercises in grammar and sight translation will be regularly given, as well as exercises in translation into German.

(b) Similar exercises of rather more advanced character will be given in the Second year. Students will also read carefully the texts prescribed.

In both the First and Second years an outline of literature as prescribed will be given in lectures.

(c) Honour students of the Third and Fourth years are expected to be familiar with the works of the modern authors prescribed, and lectures on the literature of the respective periods will be given, with illustrative references to the authors read.

In both Third and Fourth years exercises in sight translation, dictation, grammar and translation into German will receive much attention. Original essays in German will be required from time to time. Practice will also be given in conversation.

(d) In the Fourth year an outline of the history of the language will be given, according to a syllabus to be agreed upon by the instructors. The elements of Middle High German grammar and literature will be studied with special reference to the works prescribed.

### Oriental Literature.

UNIVERSITY COLLEGE:

J. F. MCCURDY, PH.D., LL.D.....*Professor.*

R. G. MURISON, M.A., B.D.....*Lecturer.*

VICTORIA UNIVERSITY:

J. F. McLAUGHLIN, M.A., B.D.....*Professor.*

A. P. MISENER, M.A.....*Lecturer.*

The Oriental course has the main object of affording an introduction to the study of the Semitic languages and literature and of Semitic history. On account of the importance of the literature of ancient Israel, the Hebrew language and the Old Testament in the original are made very prominent throughout the course, being taught in all the years and occupying almost as much time as all the other languages taken together. The aim of the course, more definitely, is to give the student a competent knowledge of the Hebrew text of the Bible and of the literature and history of the Semitic peoples. These ends are kept in view in the General Course as well as in the Honour lectures.

For purely linguistic study the General Course is confined to Hebrew and Biblical Aramaic, and is so arranged that, with two or three lec-

tures a week throughout the four years, the student may gain some familiarity with the different kinds of literature in the Old Testament: narrative, historical, prophetic and poetical. The Honour Course secures in its Hebrew department an intimate familiarity with the language and literary features of the Old Testament in all its divisions, and at the same time introduces the learner to the other important languages of the Semitic family. In the Second year of the curriculum, which begins the Honour Course, the Aramaic is taken up in its two dialects, East and West Aramaic; in the third year Arabic is the subject of study; and in the Fourth year the student is made acquainted with the Assyrian in the original cuneiform texts. In all the years care is taken not only to impart an exact knowledge of linguistic forms, but also to convey an accurate idea of the genius of the Semitic race and of the several peoples among them who in succession helped materially in the education of the world.

Thus, while Philology is duly studied for its own sake and as an indispensable instrument of research, the whole tendency of the discipline is to make it subservient to the higher ends of literary and historical culture. The Oriental Seminary Room is well provided with maps and other illustrative material; and the library, although so lately founded, has already one of the best selections of Semitic literature, including inscriptional works, to be found in America.

A Seminary in Oriental languages will be held weekly for the benefit of advanced students, the work done in which will count as part of the sessional duties. Graduates of the University who may apply for admission may take part in the work of the Seminary. Class examinations in writing will be held at intervals during the year.

*Books Required for Term Work:* Davidson's Hebrew Grammar; Davidson's Hebrew Syntax; Driver's Hebrew Tenses; Davies' Hebrew Lexicon; Text of Old Testament with Massoretic Clavis; Brockleemann's Syriac Grammar and Chrestomathy; Socin's Arabic Grammar and Chrestomathy; Baer and Delitzsch's Texts of Daniel and Ezra with Paradigms; King's First Steps in Assyrian; Delitzsch's Assyrian Grammar; Winckler's Assyrische Keilschrift-Texte; Zimmern's Vergleichende Grammatik der Semitschen Sprachen; Robertson's Old Testament and its contents; Driver's Literature of the Old Testament; McCurdy's History, Prophecy and the Monuments; Encyclopædia Biblica; Articles in the Encyclopædia Britannica on Hebrew Language, Semitic Languages, Arabic Literature, Septuagint, Targum.

*Books Recommended for Reference and Special Study:* The Hebrew Grammars of Green, Strack, Koenig, Gesenius, Stade; Brown's Gesenius' Hebrew Lexicon; Noeldeke's Syrische Grammatik; Brockelmann's Lexicon Syriacum; Wright's Arabic Grammar; Arabic Lexicons of Lane, Wortabet and Belot; Renan's Histoire des Langues sémitiques; Wright's Comparative Grammar of the Semitic Languages; G. A. Smith's His-



torical Geography of the Holy Land; Babelon's Manual of Oriental Antiquities; Duncker's History of Antiquity, Vols. IV.-VI.; Meyer's Geschichte des Alterthums; Maspero's Life in Ancient Egypt and Assyria; Ragozin's Chaldæa and Assyria; Rawlinson's History of Phœnicia, and Five Great Monarchies (Archæological chapters); Kaulen's Assyrien and Babylonien; Schrader's Cuneiform Inscriptions and the Old Testament; Price's The Monuments and the Old Testament; Bypaths of Bible Knowledge; articles on Semitic literature and antiquities in the Encyclopædia Britannica, especially: Alphabet, Arabia, Asia Minor, Babylonia, Bible, Canaanites, Canon, Egypt, Hittites, Inscriptions, Jerusalem, Mesopotamia, Midrash, Mishnah, Mohammedanism, Nineveh, Palestine, Phœnicia, Samaritans, Syriac Literature, Talmud.

### Ethics.

UNIVERSITY COLLEGE:

J. G. HUME, M.A., PH.D.....*Professor.*

VICTORIA UNIVERSITY:

E. I. BADGLEY, M.A., B.D., LL.D.....*Professor.*

*A. General Course:—*

THIRD YEAR.—(a) Theory of Obligation: Lectures on the scope and methods of Ethics, the relation of Moral Philosophy to Natural Science, The Moral Ideal, Personality, Instinct, Desire, Motive, Volition, Freedom of the Will, Conscience, Duty, Responsibility, Sensational Theories, Intuitionist Theories, Transcendental Theories, Relation of Ethics to Theoretical Philosophy, Political Economy and Religion. Essays will be written by members of the class, and examinations held during the term. Books recommended: Hyslop, Browne, Seth, Muirhead, Calderwood, Part I., Chaps. I.-IV.; Green, Prolegomena to Ethics, Book II. (b) History of Ethics: The lectures cover the ground from Hobbes to the present time. Attention is given to fundamental standpoints rather than to details of doctrine. The interrelation of the various historical phases of Ethical thought are considered, the development of cardinal doctrines followed, and the chief representatives of the leading schools expounded. Books recommended: Sidgwick, History of Ethics; Bain, Moral Science; Watson, Hedonistic Theories.

*B. Honour Course:—*

THIRD YEAR.—(a) Theory of Ethics: The students in this course will make, under the guidance of the professor in charge, a special and careful study of Green's Prolegomena to Ethics. Lectures will be given to assist in the exposition, explanation and estimation of Green's position. (b) History of Ethics: This course is supplemental to, and given in connection with, the General Course on the History of Ethics. The aim of the lectures is to set in a clear light the real significance of the problems occupying the attention of moralists, and to estimate the solutions that have been offered for these problems. Books recommended:

Martineau, Types of Ethical Theory; Butler's Sermons; Mill, Utilitarianism; Spencer, Principles of Morality; Janet, Theory of Morals; Sidgwick, Methods of Ethics; Jodl, Geschichte der Ethik; Courtney, Constructive Ethics; Sorley, the Ethics of Naturalism; D'Arcy, Short Study of Ethics; Fairbrother, Philosophy of T. H. Green; Mackenzie, Manual of Ethics; Paulsen (Trans. Thilly). (c) Applied Ethics: The class will meet once a week for the reading and discussion of papers written by members of the class. In these essays an attempt will be made to apply ethical principles to the investigation of social problems, such as Temperance, Charity, Socialism, etc. Books recommended: Spencer, Man *vs.* State; Ritchie, Principles of State Interference; T. H. Green, Lectures on Political Obligation, A. M. N., in Vol. II.; J. G. Hume, Value of a Study of Ethics, Political Economy and Ethics, Socialism.

FOURTH YEAR.—In this year the Honour students will be expected to make a thorough study of representative Ethical writers of ancient and modern times, and also to undertake independent investigations into social problems of the present time, requiring for their solution the application of Ethical principles: Aristotle, Nicomachean Ethics; Kant, Grundlegung zur Metaphysik der Sitten; Kritik der praktischen Vernunft, Sidgwick, The Methods of Ethics. Essays: Application of Ethical principles in the examination of Problems in Political Economy, Sociology and Criminology.



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UNIVERSITY COLLEGE.





## University College.

University College is, since the Federation Act of 1887, the complement, in the system of higher education provided by the State, of the University of Toronto. The State furnishes through University College instruction in those departments of the Arts Course in which it does not furnish instruction through the University. These departments are Greek, Latin, Ancient History, English, French, German, Oriental Languages and Ethics.

For the Faculty of University College, *vide* p. 14 above.

### University College Council.

#### THE PRINCIPAL.

|                      |                          |
|----------------------|--------------------------|
| PROFESSOR MCCURDY.   | PROFESSOR SQUAIR.        |
| PROFESSOR ALEXANDER. | PROFESSOR VANDERSMISSEN. |
| PROFESSOR HUME.      | PROFESSOR FLETCHER.      |

*Registrar*.....JAMES BREBNER, B.A.

*Superintendent of Women Students*....MISS SALTER.

### Enrolment of Students.

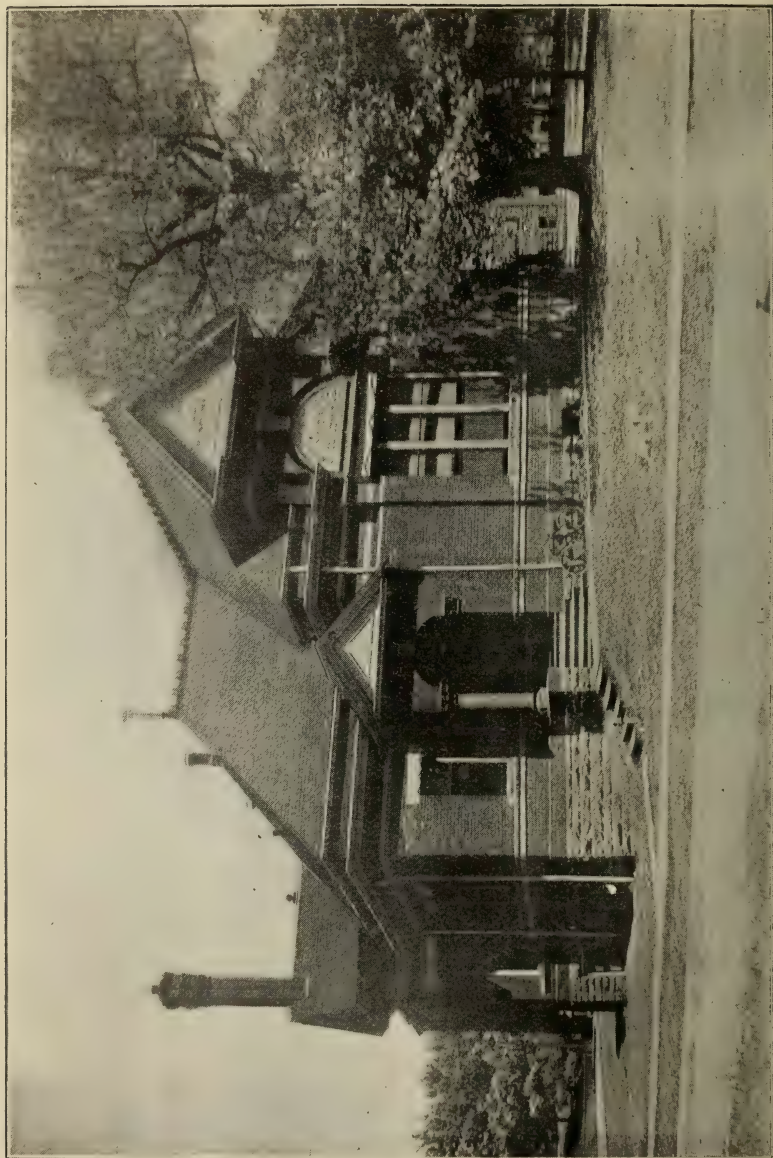
All students of the University proceeding to a degree in Arts are required to enroll themselves in University College or in Victoria College.

The conditions precedent to enrolment in University College are determined by the Council of the College. Every student of the College must either be an undergraduate of the University (*vide* p. 74, Sec. 38), or, if he be an occasional student, must satisfy the College Council that he has sufficient knowledge of the subject in which he proposes to attend College lectures to do so with advantage.

### Discipline.

The College has full control of its students so far as concerns their attendance upon lectures in the courses provided by the College, and (2) their admission to the University Examinations. No student of the College will be received by the University for examination without a certificate from the College that he has complied with its regulations.





UNIVERSITY COLLEGE Y.M.C.A. BUILDING.

### **Student Societies.**

Various societies and associations, both of young men and of young women, have been organized for the promotion of Christian effort, social intercourse, literary and scientific activity. The Young Men's Christian Association has a building especially devoted to its purposes, in which a devotional meeting is held every Thursday, and a public meeting every Sunday, at which latter addresses are delivered by prominent Christian workers. There is also a Young Women's Christian Association, which meets weekly. The Literary and Scientific Society, whose membership is made up of male students, holds weekly meetings for discussion, the reading of essays, etc. This society furnishes a well-equipped reading-room for the use of students. The Women's Literary Society has similar aims and methods. Besides the above, there are several associations for the encouragement of special branches of study. These are the Classical Association, the Modern Language Club, the Oriental Association, etc. A paper devoted to literature and college news is published weekly, its staff consisting of representatives from various sections of the undergraduate body. For lists of officers of the various societies, see Appendix, p. 45.

### **Lodging and Board.**

Lodging and board are readily obtainable in numerous private boarding-houses within convenient distance of the University at a cost of from three dollars upwards for comfortable lodging with board; or rooms may be rented at a cost of from one dollar per week upwards, and board obtained separately at moderate rates. A list of accredited boarding-houses is kept by the Secretary of the University College Young Men's Christian Association, and students are recommended to consult him with reference to the selection of suitable accommodations.

### **Dining Hall.**

There is attached to the University College a dining hall for the Faculty and students. Rates for regular boarders, \$2.50 per week; for single meals, 20 and 25 cents. All further



information will be furnished by the Secretary of the House Committee, Dr. J. C. Maclellan, Dean's House, University College.

### **Regulations Relating to Students, Terms and Examinations.**

1. Students entering University College are required to produce satisfactory certificates of moral character and previous good conduct.

2. No student will be enrolled in any year, or be allowed to continue in attendance, whose presence for any cause is deemed by the Council to be prejudicial to the interests of the College.

3. Matriculated students are required to attend the courses of instruction and examinations in all subjects prescribed for students of their respective standing, and no student will be permitted to remain in the College who persistently neglects academic work.

4. The certificate required for admission to the University examinations will not be granted to students who have been reported to the Council for not conforming to the College regulations, or for improper conduct of any kind.

5. Matriculated students are required to reside, during the period of their attendance on lectures, in houses selected by their parents or guardians, or approved by the College Council.

6. Men and women students, unless members of the same family, are not permitted to reside in the same lodging-houses.

7. Women students are under the supervision of the Lady Superintendent, whose directions as to conduct are to be observed.

8. All interference on the part of any student with the personal liberty of another, by arresting him or summoning him to appear before any tribunal of students, or otherwise subjecting him to any indignity or personal violence, is forbidden by the Council. Any student convicted of participation in such proceedings will forfeit the certificate required for admission to the University examinations, and will render himself liable to expulsion from the College.

9. A student who is under suspension, or who has been expelled from the College or University, will not be admitted to the University buildings or grounds.

10. The constitution of every College society or association of students and all amendments to any such constitution must be submitted for approval to the College Council. All programmes of such societies or

associations must, before publication, receive the sanction of the Council. Permission to invite any person not a member of the Faculty of the University College to preside at or address a meeting of any society or association must be similarly obtained. Societies and associations are required to confine themselves to the objects laid down in their constitution.

11. The name of the College is not to be used in connection with a publication of any kind without the permission of the College Council.

12. Occasional students may be admitted to lectures on application to the Principal.

13. Certificates of attendance on lectures in any department during an academic year may be given to occasional students who have been regular in their attendance, and who have also passed the examinations in such department.

14. All undergraduates are expected to wear the prescribed academic costume within the class rooms and buildings.

## Scholarships.

### A. Matriculation Scholarships.

THE MCCAUL Scholarship in Classics, of the value of \$75, together with free tuition (under the usual conditions, *vide* p. 61) for *four years*, awarded at matriculation: founded in honour of the first President and Professor of Classics in University College.

THE WILLIAM DALE Scholarship in Classics, of the value of \$60, together with free tuition (under the usual conditions, *vide* p. 61) for *three years*, awarded at matriculation: founded by the first Associate-Professor of Latin.

THE GOLDWIN SMITH Scholarship in Classics, of the value of \$50, together with free tuition (under the usual conditions, *vide* p. 61) for *two years*, awarded at matriculation: founded by Goldwin Smith, M.A., D.C.L.

None of these scholarships are tenable together with a Blake Scholarship, but revert, if declined by the winner in favor of a Blake Scholarship, to the next competitor, always providing that the winner be in First Class Honours in Classics at Matriculation, and becomes and continues to be a registered student of University College in attendance upon its lectures.

In the event of no eligible candidate being forthcoming at Matriculation for any of these scholarships, the unawarded scholarship shall be held over till the year following, when two scholarships will be offered.

The William Dale and Goldwin Smith Scholarships were awarded for the first time in 1900, and the McCaul Scholarship will be awarded for the first time in 1901.

### B. Undergraduate Scholarships.

The following scholarships have been founded and endowed in University College, and are open for competition among the students in actual attendance in the College:—

THE MOSS CLASSICAL Scholarships, two of the value of \$60 each, in Classics in the First and Third years respectively, founded by subscription in honour of the late Hon. Chief Justice Moss.

THE WILLIAM MULOCK Scholarship in Classics in the Second year, of the value of \$60, the gift of the Hon. William Mulock, M.A., LL.D., for many years Vice-Chancellor of the University.

THE EDWARD BLAKE Scholarship in Modern Languages in the First year, of the value of \$60, the gift of the Hon. Edward Blake, formerly Chancellor of the University.

THE GEORGE BROWN Scholarship, in Modern Languages in the Second year, of the value of \$60, founded in honour of the late Hon. George Brown.

THE JULIUS ROSSIN Scholarship, in Modern Languages in the Third year, of the value of \$60, the gift of Julius Rossin, M.A., Hamburg, Germany.

THE JOHN MACDONALD Scholarship, in Philosophy in the Third year, of the value of \$50, the gift of the late Hon. John Macdonald.

THE KNOX COLLEGE Scholarships, in Oriental Literature, of the value of \$45 and \$60, are offered by the Senate of Knox College, to be competed for by students of the Second and Third years respectively, who shall be in actual attendance in University College, and intend to enter the Theological classes of Knox College.

### C. Prizes in Books.

THE FREDERICK WYLD Prize, the gift of F. Wyld, Esq., of the annual value of \$25, for English Composition, is open for competition among all students of the Third and Fourth years in attendance on lectures.

THE FRENCH PROSE Prize, of the annual value of \$10, for French Composition, is open for competition among students of all years in attendance on lectures in University College.

### D. Medals.

Medals are offered for competition to undergraduates in the following departments in actual attendance as students in the College:—

CLASSICS (in the Fourth year).

The McCaul Medal (Gold), established in 1886 by the late W. H. C. Kerr, Gold Medallist in Classics of 1859, in memory of the Rev. John McCaul, LL.D., First Professor of Classics and First President of University College. It was presented by Mr. Kerr from 1886 up to his death, and from 1891 to 1894, after his death, by his widow. Since then the donors have been John Hoskin, K.C., LL.D., Chairman of the Board of Trustees (for 1895); Nicol Kingsmill, M.A., K.C., Classical

Medallist of 1856 (for 1896); and A. M. Crombie, Esq., of Montreal (for 1897), in memory of his brothers Ernestus Crombie, M.A., Gold Medallist in Classics of 1854, and Marcellus Crombie, M.A., LL.B., Gold Medallist in Classics of 1857; in 1898 and 1899 William Dale, M.A., Gold Medallist in Classics of 1871; in 1900 by Professor Fletcher, Gold Medallist in Classics of 1872, and Professor Hutton; in 1901 by A. Carruthers, M.A., Gold Medallist in Classics of 1880; in 1902 by W. S. Milner, M.A., Gold Medallist in Classics in 1881. In 1903 the medal will be donated by G. W. Johnston, Ph.D., Lecturer on Latin.

MODERN LANGUAGES (in the Fourth Year).

The Governor-General's Medal (Silver), the Gift of His Excellency the Earl of Minto.

The winners of the McCaul Medal in the past have been as follows:—1886, W. P. Mustard, Ph.D.; 1887, E. O. Sliter; 1888, H. J. Crawford; 1889, H. J. Cody; 1890, James Colling; 1891, C. A. Stuart; 1892, F. W. Shipley, Ph.D.; 1893, F. B. R. Hellems, Ph.D.; 1894, J. H. Brown (*ob.*); 1895, W. T. F. Tamblin, Ph.D.; 1896, Donald McFayden; 1897, R. O. Jolliffe; 1898, Miss Florence E. Kirkwood; 1899, W. H. Alexander; 1900, Miss Landon Wright; 1901, E. J. Kylie; 1902, E. H. Oliver.

## Winners of Scholarships, Medals and Prizes in the College in 1901.

### Prizes.

French Prose Prize..... M. A. Buchanan.  
The Frederick Wyld Prize for English Essay.... E. J. Kylie.

### Medals.

Governor-General's Medal in Modern Languages  
(Third Year) ..... Miss F. R. Amos.  
McCaul Medal in Classics..... E. J. Kylie.

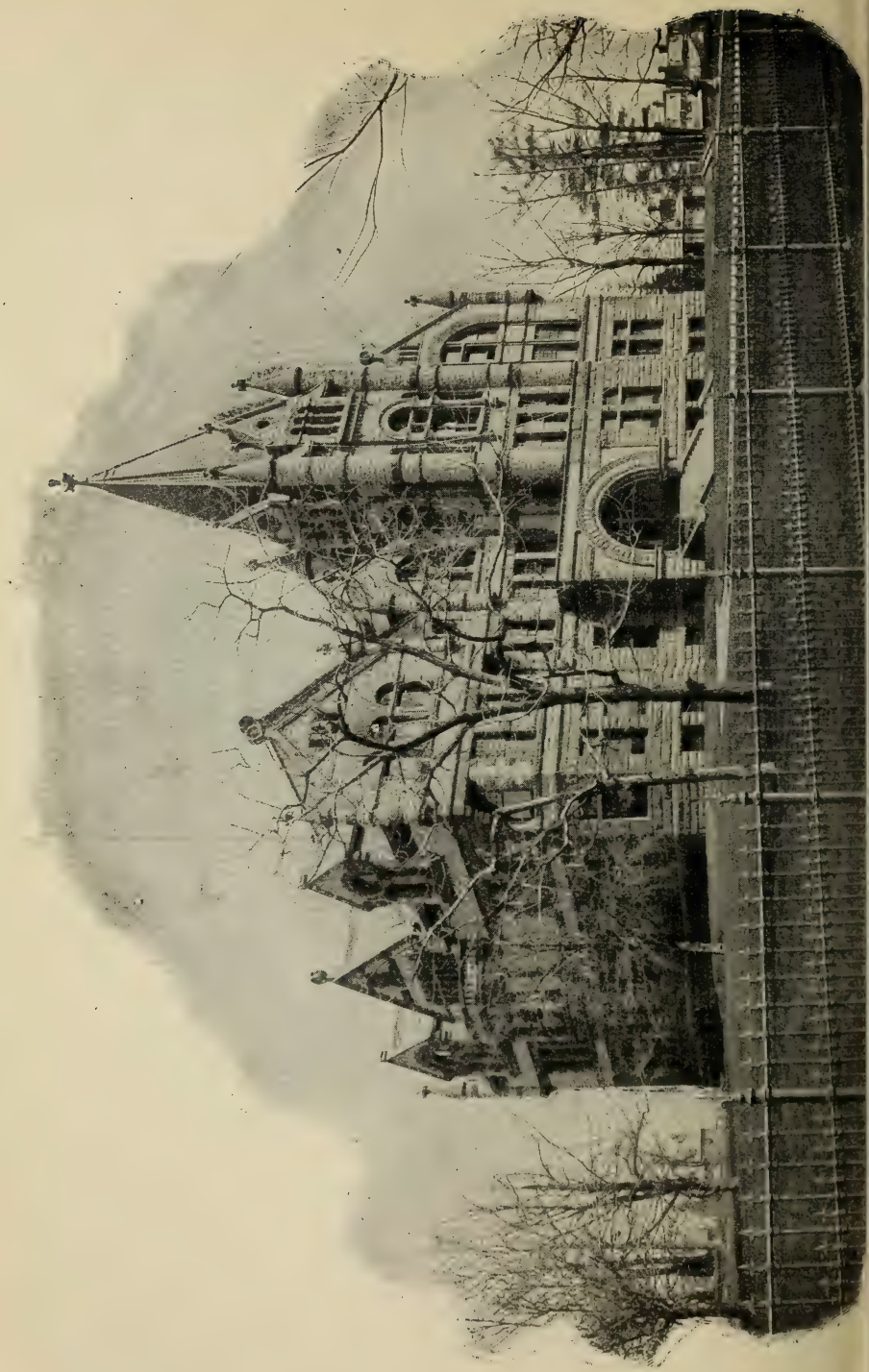
### Scholarships.

The Goldwin Smith, for Classics (Junior Matric.). A. C. Cameron.  
The William Dale, for Classics (Junior Matric.).. B. A. Upshall.  
The Moss, for Classics (First Year)..... S. J. Lloyd.  
The Edward Blake, for Moderns (First Year).... Miss C. W. Morrish.  
The William Mulock, for Classics (Second Year). A. G. Brown.  
The George Brown, for Moderns (Second Year).. Miss E. Summers.  
The Knox College, for Orientals (Second Year).. A. G. McKay.  
The John Macdonald, for Philosophy (Third  
Year) ..... R. J. Younge.  
The Julius Rossin, for Moderns (Third Year)... Miss F. R. Amos.  
The Moss, for Classics (Third Year)..... E. H. Oliver.  
The Knox College, for Orientals (Third Year).. C. A. McRae.









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# Announcements of Victoria University

IN FEDERATION WITH  
THE UNIVERSITY OF TORONTO.

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## Victoria University.

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VICTORIA UNIVERSITY was founded by resolution of the Conference of the Methodist Church in Canada, held in Kingston in August, 1830. The institution was opened for students on the 18th of June, 1836, with the Rev. Matthew Richey, M.A., as Principal. On the 12th of October, 1836, letters patent were issued by His Majesty King William IV., incorporating the institution as a seminary of learning for the Province of Upper Canada, under the name of "Upper Canada Academy."

In 1841 the Parliament of the United Provinces of Upper and Lower Canada, being now first constituted by Acts of the Imperial Parliament, with power to grant such a charter, at its first session, held in the city of Kingston, passed an Act to incorporate the Upper Canada Academy under the name and style of "Victoria College, with power and authority to confer degrees of Bachelor, Master and Doctor of the various Arts and Faculties," which Act was assented to by the Governor-General on the 27th of August, 1841.

On the 21st of October, 1841, the Rev. Egerton Ryerson, having been appointed Principal, opened the first college session under the enlarged charter.

In the year 1844 the Rev. A. McNab, D.D., succeeded the Rev. Dr. Ryerson as Principal, and occupied the office until 1849. At the close of his term the number of students in the college was 140.

In 1850 the Rev. S. S. Nelles, M.A., was appointed Principal, and addressed himself to the task of organizing and enlarging the College to the status and work of a University. In the year 1854-55 the Faculty of Medicine was added and established in Toronto. In 1860 the Faculty of Law was added, and in 1871 the Faculty of Theology.

In the year 1883-84 a Commission, appointed by the General Conference of the Methodist Church, arranged for the consolidation of Albert College, Belleville, with Victoria College,

Cobourg, and legal effect was given to this consolidation by Act of the Legislature of Ontario, 47 Vic., chap. 93.

The corporate name was by this Act changed to "Victoria University." The government of the University was vested in a Board of Regents, Chancellor, Vice-Chancellor and Senate. To these bodies was given power to affiliate outlying colleges, and full university powers in all Faculties were continued. The Rev. S. S. Nelles, D.D., LL.D., as President, was *ex officio* first Chancellor, and William Kerr, K.C., LL.D., Senator, was elected Vice-Chancellor.

In 1887 the Rev. S. S. Nelles, D.D., LL.D., died, and the Rev. N. Burwash, S.T.D., LL.D., was appointed President and Chancellor.

Under the provisions of the present charter the following colleges are affiliated in Arts with Victoria University:—Albert College, Belleville; the Ontario Ladies' College, Whitby; Alma College, St. Thomas; Columbian Methodist College, New Westminster, B.C.

On the 12th of November, 1890, under the provisions of the Revised Statutes of Ontario, chap. 230, and the Acts amending the same, Victoria University was, by Proclamation of the Lieutenant-Governor, federated with the University of Toronto.

On the 1st of October, 1892, the Faculty of Victoria University occupied the new building in the Queen's Park, Toronto, and the federation of the Universities was practically consummated. The Faculty of Arts then assumed the work and relation of a College in the University of Toronto, providing instruction in all subjects assigned by the Federation Act to University College. In other subjects the students of Victoria University attend the lectures and laboratory practice of the University of Toronto, and receive their degrees under the statutory regulations of its Senate.

By the provisions of the Federation Act the President of Victoria University, a representative of the Senate of Victoria University, and five representatives of the graduates in Arts, become members of the Senate of the University of Toronto, and the graduates and undergraduates of Victoria

University are granted the same standing and privileges in the University of Toronto.

Five hundred and seventy-seven graduates of Victoria University were admitted to standing and privileges of the degree of B.A. in the University of Toronto: two hundred and thirty-one to those of M.A.; nine hundred and sixty-three to those of M.D.; one hundred and twenty-five to those of LL.B.; and forty to those of LL.D.

By the University Act of 1901, the electoral body in Convocation of Victoria University was made permanent, and was enlarged to include all graduates of the University of Toronto who, since 1892, have been enrolled in Victoria College in Arts.

The electoral body of Victoria University in the Convocation of the University of Toronto now consists of 834 graduates in Arts, besides the graduates in Law and Medicine, who form one body with those of the University of Toronto.

# The Government of Victoria University.

## THE BOARD OF REGENTS.

- REV. A. CARMAN, M.A., D.D., *General Superintendent of the Methodist Church.*  
 REV. N. BURWASH, S.T.D., LL.D., *Chancellor.*  
 HON. WM. KERR, M.A., LL.D., K.C., *Senator, Vice-Chancellor.*  
 HIS HONOUR JUDGE DEAN, M.A., LL.D.  
 HON. B. M. BRITTON, M.A.  
 REV. E. B. RYCKMAN, M.A., D.D.  
 REV. W. S. GRIFFIN, D.D.  
 REV. E. H. DEWART, D.D.  
 HON. GEO. A. COX, *Senator.*  
 J. B. GRAFTON, ESQ.  
 REV. JOHN POTTS, D.D.  
 REV. E. N. BAKER, M.A., B.D.  
 REV. A. SUTHERLAND, D.D.  
 JAMES MILLS, M.A., LL.D.  
 REV. W. R. PARKER, M.A., D.D.  
 A. E. AMES, ESQ.  
 R. A. REEVE, B.A., M.D.  
 REV. WILLIAM BRIGGS, D.D.  
 J. W. FLAVELLE, ESQ.  
 REV. W. H. WITHROW, M.A., D.D., F.R.S.C.  
 F. WALKER, ESQ.  
 REV. W. P. DYER, M.A., B.Sc., D.D.  
 REV. J. S. ROSS, M.A., D.D.  
 A. E. KEMP, ESQ., M.P.  
 W. W. OGDEN, M.D.  
 CHESTER MASSEY, ESQ.  
 REV. W. C. HENDERSON, M.A., D.D.

## *Representatives of the Alumni:*

H. HOUGH, M.A., LL.D.

- C. C. JAMES, M.A., *Deputy Minister of Agriculture.*  
 W. R. RIDDELL, B.A., B.Sc., LL.B., K.C.  
 J. J. MACLAREN, M.A., LL.D., K.C.  
 REV. E. A. CHOWN, B.A., B.D.  
 H. W. AIKINS, B.A., M.D.



## THE SENATE.

REV. N. BURWASH, S.T.D., LL.D., *Chancellor.*

HON. WM. KERR, M.A., LL.D., K.C., *Vice-Chancellor.*

REV. A. CARMAN, M.A., D.D., *General Superintendent.*

A. P. COLEMAN, M.A., PH.D., (Bresl.) *Hon. Professor.*

PROFESSORS OF THE FACULTY OF ARTS.

PROFESSORS OF THE FACULTY OF THEOLOGY.

MEMBERS OF THE BOARD OF REGENTS.

*Representatives of Albert College:*

F. W. MERCHANT, M.A.

REV. JAMES ALLEN, M.A.

*Representative of the Ontario Ladies' College, Whitby:*

REV. J. J. HARE, M.A., PH.D.

*Representative of Alma College, St. Thomas:*

REV. R. I. WARNER, M.A., D.D.

*Representatives of the Alumni:*

REV. F. A. CASSIDY, M.A.

F. C. COLBECK, B.A.

REV. O. R. LAMBLY, M.A., D.D.

J. R. L. STARR, B.A.

J. W. ST. JOHN, B.A.

REV. A. B. CHAMBERS, LL.B., D.D.

REV. R. P. BOWLES, M.A., B.D.

## Officers of Instruction.

### FAULTY OF ARTS.

#### Victoria University.

REV. N. BURWASH, S.T.D., LL.D.,  
*President, Professor of Civil Polity,*  
113 Bloor Street West.

REV. ALFRED H. REYNAR, M.A., LL.D.,  
*Dean of Faculty of Arts, William Gooderham Professor of English Literature.*

A. R. BAIN, M.A., LL.D.,  
*Nelles Professor of Ancient History,*  
135 Bedford Road.

REV. E. I. BADGLEY, M.A., LL.D.,  
*Egerton Ryerson Professor of Mental and Moral Philosophy,*  
77 Avenue Road.

REV. FRANCIS HUSTON WALLACE, M.A., D.D.,  
*Dean of Faculty of Theology, Professor of Biblical Greek,*  
95 Bedford Road.

REV. JOHN BURWASH, M.A., D.Sc., LL.D.,  
*Professor of the English Bible,*  
89 Avenue Road.

A. J. BELL, M.A., PH.D. (Bresl.),  
*Macdonald Professor of the Latin Language and Literature,*  
17 Avenue Road.

L. E. HORNING, M.A., PH.D. (Goettingen),  
*Professor of German and Old English.*

REV. J. F. McLAUGHLIN, M.A., B.D.,  
*Professor of Oriental Languages and Literature,*  
30 Bernard Avenue.

J. C. ROBERTSON, B.A.,  
*Professor in the Greek Language and Philosophy.*

PELHAM EDGAR, PH.D.,  
*Professor in the French Language and Literature,*  
21 Elgin Avenue.

A. L. LANGFORD, M.A.,  
*Associate-Professor in the Greek Language and Literature,*  
50 Bismarck Avenue.

A. E. LANG, B.A.,  
*Associate Professor in the German Language and Literature,*  
82 Madison Avenue.

E. MASSON,  
*Instructor in French,*  
93 St. Joseph Street.

A. P. MISENER, M.A.,  
*Lecturer in Oriental Languages and Literature.*

## General Regulations and Announcements

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### FOR STUDENTS IN ARTS.

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#### Admission.

Students are admitted to Registration in the Faculty of Arts on having passed the Matriculation examination prescribed by the University of Toronto, or on giving the Faculty satisfactory evidence of their ability to pursue the course of study proposed. They are required to observe the general regulations of the University of Toronto and of Victoria University in regard to attendance on lectures and examinations.

#### Examinations.

All students of Victoria University desiring to take the examination in Arts will present themselves at the annual examination of the University of Toronto.

The standing thus obtained gives the students of Victoria undergraduate rank in the University of Toronto as well as in Victoria University, and entitles them to compete for all University honours.

No student may present himself for any University examination subsequent to matriculation without producing a certificate of having complied with all the requirements of his college affecting his admission to such examination.

#### Occasional Students.

Occasional students may be admitted to lectures on application to the President of Victoria University.

Certificates of attendance on lectures in any department during an academic year may be given to occasional students who have been regular in their attendance, and who have also passed the examinations in such department.



### Terms.

The Academic Year consists of two terms: the first (*Michaelmas*) extending from October 1st to December 19th; and the second (*Easter*) from January 5th to May 31st.

Attendance for eight terms is required by the University prior to the B.A. degree, unless the student has been admitted at Senior Matriculation, or *ad eundem statum*, or has received dispensation from the University Council.

The term will not be allowed to students who have been reported to the President by any of the Professors as neglecting to attend the required lectures, or have not conformed to the statutes and regulations of the College, or have been reported to the Faculty for bad conduct.

### Instruction.

Instruction is given in the various subjects of the Arts Course by the Arts Faculty of the University of Toronto and the Arts Faculty of Victoria University. In the division of the work of instruction between these Faculties the subjects are assigned as follows:—To the Faculty of the University of Toronto: Mathematics, Physics, Mineralogy and Geology, Biology, Chemistry, History of Philosophy, Logic, Metaphysics, Comparative Philology, Italian and Spanish, History, Political Economy and Constitutional History, Constitutional and International Law, Roman Law, General Jurisprudence and History of English Law; and to the Faculty of Victoria University; Latin, Greek, Ancient History, English, French, German, Oriental Literature, Ethics. Instruction in the theological options is given by the Theological Faculty of Victoria University.

### College Examinations.

Matriculated students are required to attend all examinations prescribed by the Professors and Lecturers in their special departments.

Prizes and honours are awarded on the recommendation of the Professors and Lecturers, in accordance with the requirements prescribed by them in their several departments.

Occasional students are not required to attend the examinations, unless they are candidates for prizes or honours, or desire to obtain certificates of attendance.

### **Fees.**

The fees required to be paid by students enrolled in Victoria College are those prescribed by the Trustees of the University of Toronto. (See page 57.) Enrolment fees are paid to the College Treasurer; all other fees are paid to the Bursar of the University.

### **Discipline.**

All students enrolled in Victoria College are subject to the regulations as to discipline prescribed by the Council of the University of Toronto. (See p. 52.)

Students are required to attend the lectures, as well as the examinations on all subjects necessary for students of their course and standing, and certificates of such attendance will be required as a condition of admission to examination by the University, unless dispensation has been obtained.

All interference with the personal liberty of the student, by arresting him, or summoning him to appear before any tribunal of students, or otherwise subjecting him to any indignity or personal violence is forbidden by the Faculty. Any student convicted of participation in such proceedings will forfeit the certificate required for admission to the University examinations, and will render himself liable to expulsion from the University.

### **Religious Services.**

All students are expected to attend the public worship of God on the Lord's Day at such churches as their parents or guardians may prefer. Morning prayers will also be held daily in the Chapel, at which all students are expected to be present.

Other religious services will be held at suitable times, to which all students are cordially invited.

### **Libraries, Museums, Etc.**

The Students of Victoria University have all the advantages of the following libraries, laboratories, etc.:—

UNIVERSITY OF TORONTO LIBRARY, containing upwards of 72,000 volumes, is supplied with a reading room, a periodical room, several seminary rooms, etc., and is provided with the standard and current literature of all subjects taught in the University.

VICTORIA UNIVERSITY LIBRARY consists of a working collection of 14,547 bound volumes in the English, French and German languages and literatures, History, Philosophy, and the various departments of Theology. The Library is one of reference, and includes the loan of the Literary Society collection.

The LABORATORIES in the various departments of Science are well supplied with apparatus for work in the departments, and are situated in the buildings devoted to the subjects.

The MUSEUMS contain collections of specimens in Biology, Mineralogy and Ethnology arranged for the purposes of instruction.

In addition to the collection of the Museums of the University of Toronto, there is in Victoria University a Museum that is of particular value in the Department of Mineralogy.

### **Residence.**

Students are recommended to board in such houses as are approved by the President, except students residing with their parents or with friends designated by their parents or guardians. A carefully selected list of boarding-houses, where board and rooms may be obtained at prices varying from \$3.00 to \$5.00 a week, is prepared each year by the Young Men's Christian Association. Students will be expected to observe proper hours, and to maintain the conduct of Christian ladies and gentlemen.

### **Campus and Woman's Residence.**

The Board of Regents has purchased a block of land immediately north of the grounds occupied by the Victoria buildings, which gives ample space for a campus and site for a

ladies' residence. The residence is now in process of erection, and will be ready for occupation in the course of the coming year. It will afford accommodation for over fifty students, and is provided with every modern accessory to health, comfort and convenience for students' life and work, and will be under the direction of an experienced and able staff. The new campus affords full opportunity for healthful exercise, and a site has been secured for a residence for young men adjoining the campus.

### **Physical and Voice Culture.**

Classes in physical culture have been formed for lady students, and are conducted in rooms specially fitted up for the work, under the capable management of Mrs. Scott-Raff, F.C.M. The instruction given is recognized as meeting a long-felt want. Arrangements have been completed by the Methodist Woman's Educational Association to add, next year, classes in vocal culture and expression. These classes, together with the college lectures in English, French, German and Literature, will be open to occasional students, and will form a desirable course of study for young women who do not contemplate a University degree. Full particulars may be learned from Mrs. A. R. Bain, Secretary of the Methodist Woman's Educational Association, Victoria College, Toronto, or Mrs. Scott-Raff, the Directress, Victoria College.



## Victoria University.

### SCHOLARSHIPS, PRIZES AND MEDALS.

All scholarships and prizes of the University of Toronto are open to students of Victoria University on the general terms prescribed on pages 62-69, etc. This includes exemption from fees in Victoria as in University College.

#### Matriculation Scholarships.

THE MARTHA BELL SCHOLARSHIP (of the value of \$100), the gift of A. J. Bell, Ph.D., to the first of the First Class Honour men in Classics at Junior Matriculation.

THE FLAVELLE SCHOLARSHIP (of the value of \$60), the gift of J. W. Flavelle, Esq., to the student standing second in this examination.

THE MASSEY SCHOLARSHIP (of the value of \$50), the gift of W. E. H. Massey, Esq., to the student standing third in this examination.

The holder of any one of the above scholarships must signify his intention to proceed to his B.A. in the University of Toronto in Honour Classics and register at Victoria for that purpose.

#### Undergraduate Scholarships.

The following scholarships are awarded in Victoria University, subject to the conditions which govern University scholarships:—

THE BELL SCHOLARSHIP (of the value of \$60), the gift of A. J. Bell, Ph.D., to the first of the First Class Honour men of the Third Year in Classics.

THE AMES SCHOLARSHIP (of the value of \$60), the gift of A. E. Ames, Esq., to the first of the First Class Honour men of the First Year in Moderns.

THE NELLES SCHOLARSHIP (of the value of \$60), the gift of L. E. Horning, Ph.D., and others, to the first of the First Class Honour men of the Third Year in Moderns.

A CLASSICAL SCHOLARSHIP (of the value of \$50), to the first of the First Class Honour men of the Second Year in Classics.

THE ROBERTSON SCHOLARSHIP (of the value of \$50), the gift of J. C. Robertson, B.A., to the first of the First Class Honour men of the First Year in Classics.

The endowment provided by the bequest of the late W. E. H. Massey, Esq., will furnish a number of additional scholarships, the particulars of which will be announced early in the coming session, and which will be open for competition at the examinations of 1903.

The following prizes are offered for competition to students of Victoria University:—

THE WEBSTER AND HODGINS PRIZES, the gift of J. G. Hodgins, Esq., LL.D., to the students taking the highest place in the pass English of the Second and Third Years, respectively.

THE WALLBRIDGE PRIZE, the gift of A. F. Wallbridge, Esq., to the student taking the first place in the Biblical Greek of the Third and Fourth Years.

THE RYERSON PRIZE, the gift of J. G. Hodgins, Esq., LL.D., to the student taking the first rank in New Testament History.

THE PUNSHON PRIZE AND VALEDICTORY, founded by W. Kerr, Esq., LL.D., K.C., for the best valedictory oration; subject for 1901, "King Alfred and Queen Victoria."

THE ROBERTSON PRIZE, the gift of W. J. Robertson, M.A., LL.B., to the student of the General Course taking first place in Class A at the Fourth Year's Examination in Canadian Constitutional History.

THE ROBERT JOHNSTON PRIZE, the gift of the Rev. Prof. J. F. McLaughlin, M.A., B.D., to the student in Hebrew ranking highest in Class A of the Second Year in Arts.

THE BEDE PRIZE, the gift of Rev. Prof. A. H. Reynar, LL.D., to the regular student standing first in Church History.

THE ROBERT WALLACE PRIZE, the gift of the Rev. Prof. F. H. Wallace, M.A., D.D., to the student standing first in New Testament Introduction.

THE CLASS OF 1902 PRIZE, the gift of the class of 1902, to the student standing first in the Pass English of the First Year.

THE EDGAR PRIZE, the gift of Prof. O. P. Edgar, Ph.D., for excellency in French Composition, open to students of all the years. This prize shall not be given to the same student more than once.

THE MASSEY BURSARIES are open for competition to Arts students of the Third Year.

The following medals will be awarded to students of Victoria University at graduation in Arts. All competitors for these medals must obtain First Class Honours in their final University examinations.

THE PRINCE OF WALES GOLD MEDAL, to the student standing first in general proficiency at the examination of the Fourth year.

THE PRINCE OF WALES SILVER MEDAL, to the student standing second in the same examination.

THE GOVERNOR-GENERAL'S SILVER MEDAL, the gift of Lord Minto, to the student who obtains the highest standing in any honour department at the final examination for B.A.

THE EDWARD WILSON GOLD MEDAL IN CLASSICS, to the student standing highest in the final examination for honours in Classics.

THE S. H. JANES SILVER MEDAL IN CLASSICS, to the student standing second in this examination.

THE S. H. JANES SILVER MEDAL IN MATHEMATICS, to the student standing highest at the final examination for honours in Mathematics.

THE J. J. MACLAREN GOLD MEDAL IN MODERNS, to the student standing highest at the final examination for honours in Moderns.

THE S. H. JANES SILVER MEDAL IN MODERNS, to the student standing second in this examination.

THE E. J. SANFORD GOLD MEDAL IN PHILOSOPHY, to the student standing highest at the final examination for honours in Philosophy.

THE S. H. JANES SILVER MEDAL IN PHILOSOPHY, to the student standing second in this examination.

THE G. A. COX GOLD MEDAL IN NATURAL SCIENCES, to the student standing highest at the final examination for honours in any department of the Sciences.

THE S. H. JANES SILVER MEDAL IN NATURAL SCIENCES, to the student standing second in this examination.

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## Degrees, Medals and Prizes Granted Students Enrolled in Victoria University, 1901.

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### DEGREES.

#### M.A.

Currelly, C. T., B.A.

Misener, A. P., B.A.

Osborne, W. F., B.A.

#### B.A.

Beatty, M. J.

McCormick, R. J.

Birchard, F. J.

McCulloch, E. A.

Bridgland, M. P.

Porter, G. E.

Carscallen, C. R.

Powell, Miss M. E.

Colwell, A. S.

Price, T. W.

Cook, H. M.

Sissons, C. B.

Daniels, W. S.

Smith, A. C.

Engler, C.

Staples, Miss L. L.

Farrell, A. C.

Stewart, J. L.

Henderson, Archie.

Terryberry, R. I.

Kellington, H. E.

Wigg, Miss H. E.

Lazier, H. L.

Wood, W. H.

Martyn, H. G.

Woodsworth, Miss C. M.

### Victoria University Medals, Scholarships and Prizes.

|   |                                |
|---|--------------------------------|
| The Governor-General's Silver Medal.....  | Wigg, Miss H. E.               |
| The Edward Wilson Gold Medal (1st in Classics)....  | Sissons, C. B.                 |
| The S. H. Janes Silver Medal (2nd in Classics)....  | Woodsworth, Miss C. M.         |
| The J. J. Maclaren Gold Medal (1st in Moderns)...   | Powell, Miss M. E.             |
| The G. A. Cox Gold Medal (1st in Mathematics)....   | Wigg, Miss H. E.               |
| The S. H. Janes Silver Medal (2nd in Mathematics)..   | Engler, C.                     |
| The E. J. Sanford Gold Medal (1st in Philosophy)..  | Stewart, J. L.                 |
| The S. H. Janes Silver Medal (2nd in Philosophy)..  | Carscallen, C. R.              |
| The Special Gold Medal (1st in Political Science)...  | Beatty, M. J.                  |
| The Special Silver Medal (2nd in Political Science)..   | Thom, D. J. (1900).            |
| The Bell Scholarship (1st in Classics, 3rd yr.).....  | Helgason-Baldwin, O. P.        |
| The Chown Scholarship (1st in Philosophy, 3rd yr.)..  | Green, T.                      |
| The Classical Scholarship (1st in Classics, 2nd yr.)..  | Wallace, E. W.                 |
| The Wm. Ames Scholarship (1st in Moderns, 1st yr.)..  | Ward, C. F.                    |
| The J. C. Robertson Scholarship (1st in Classics,<br>1st yr.) .....   | Gray, D. R.                    |
| The Martha Bell Scholarship, donated by Mrs. Whit-<br>wam and Prof. Bell (1st in Classics, Junior Ma-<br>triculation) ..... | Jickling, Miss C. K.           |
| The Flavelle Scholarship, donated by J. W. Flavelle,<br>Esq. (2nd in Classics, Junior Matric.).....                         | Switzer, Miss D.               |
| The W. J. Robertson Prize (1st in Can. Const. Hist.,<br>4th yr.) .....  | Colwell, A. S.                 |
| The Hodgins Prize (1st in Pass English, 3rd yr.)..  | Auger, C. E.<br>Bingham, C. B. |
| The Webster Prize (1st in Pass English, 2nd yr.)..  | Gray, G. H.                    |
| The Robert Johnston Prize (1st in Pass Hebrew, 2nd<br>yr.) .....  | Hughes, J. I.                  |
| The Special Prize (1st in Eng. Comp., Jun. Matric.)..   | Ward, C. F. (1900).            |

### The University of Toronto Medals, Scholarships and Prizes.

|   |                     |
|---|---------------------|
| The Governor-General's Silver Medal (General Pro-<br>ficiency, 1st and 2nd yrs.)..... | Lindsay, Miss O. C. |
| The John Macdonald Scholarship (Philosophy, 2nd<br>yr.) .....                         | Rees, D. P.         |
| The Edward Blake Scholarship (Chem. and Min., 2nd<br>yr.) .....                       | Douglas, C.         |
| The Third Faculty Silver Medal (Faculty of Med.)..                                    | Cohoe, B. A.        |



## CURRICULUM IN LAW.

### Degree of LL.B.

Candidates for the degree of LL.B. must have:—

- (a) produced satisfactory certificates of conduct;
- (b) matriculated in the Faculty of Law;
- (c) passed the prescribed examinations;
- (d) attained the age of twenty-one years.

Any person having the degree of Bachelor of Arts or of Master of Arts in the University of Toronto; or any person having the degree of Bachelor of Arts or of Master of Arts of another University, who has been admitted *ad eundem gradum* in the University of Toronto; or any person who has been admitted to the Bar by the Law Society of Upper Canada, or any person who has been admitted a student at law by the Law Society of Upper Canada, and who has passed his Intermediate examinations as required by the said Society, provided that before he be entitled to receive the degree of LL.B. he shall have been admitted as a Barrister by the said Law Society, may enter the Faculty of Law at the Third year of the course of study in that Faculty; but prior to presenting himself for the final examination in the course of the degree of LL.B. he shall pass in addition to the examinations of the Third and Fourth years in the Faculty of Law, the following examinations in the Faculty of Arts, viz.:—

1. ENGLISH CONSTITUTIONAL HISTORY: Honour examinations of the Second and Third years, or the examination in the Third year of the Undergraduate General course.

2. ENGLISH AND COLONIAL CONSTITUTIONAL LAW: Honour examination of the Third year.

3. HISTORY OF ROMAN LAW: Honour examination of the Third year.

4. HISTORY OF ENGLISH LAW: Honour examination of the Third year.

5. POLITICAL ECONOMY: Honour examinations of the Second or Third year, or the examination of the Fourth year in the Undergraduate General course.

6. JURISPRUDENCE: Honour examination of the Fourth year.

7. PUBLIC INTERNATIONAL LAW: Honour examination of the Fourth year.

8. CANADIAN CONSTITUTIONAL HISTORY: Honour examination of the Fourth year, or examination of the Fourth year of the Undergraduate General course.

9. FEDERAL CONSTITUTIONAL LAW: Honour examination of the Fourth year.

Undergraduates in the Faculty of Arts who intend to proceed to the degree of LL.B. may take these examinations either during their Arts course, or during the Third and Fourth years of their Law course.

### Matriculation.

The Matriculation examination in the Faculty of Law shall be identical with the examination of the First year in the Undergraduate General course:—English; Latin; any two of the following languages:—Greek, French, German, Hebrew; Ancient History; Mathematics; Physics or Biology.

### First Year.

The subjects of examination in the First year in the Faculty of Law are as follows:—

(a) Subjects of the General course in the Faculty of Arts in which Pass standing will be required:—

1. English of the Third year with the addition of English Composition.

2-3. Any two of the following languages of the Second year, viz.:—Latin, Greek, French, German, Hebrew.

4. Mediæval History of the Second year.

5. English Constitutional History of the Third year.

6. Ethics of the Third year.

7. Logic of the Second year.

8. Psychology of the Second year.

(b) Subjects of the Political Science course of the Third year, in which Honour standing will be required:—

1. English and Colonial Constitutional Law.

2. Theory of Political Economy.

3. History of English Law.

4. History of Roman Law.

### Second Year.

The subjects of examination in the Second year in the Faculty of Law shall be as follows, viz.:—

(a) Subjects in the Faculty of Arts in which Pass standing will be required:—

1. English of the Fourth year of the General Course.

2-3. Any two of the following languages of the Third year of the General Course—Latin, Greek, French, German, Hebrew.

4. Economic History of the Honour Course of the Fourth year.

(b) Subjects of the Political Science course, in which Honour standing will be required:—

1. Modern History of the Third year.

2. Canadian Constitutional History.

3. Public Finance.

4. Political Philosophy.

5. Jurisprudence.

6. Public International Law.

7. Federal Constitutional Law.

**Third Year.**

1. Common Law ..... Broom's Common Law.
2. Personal Property..... Williams.
3. Contracts ..... Anson.
4. Medical Jurisprudenæ..... Reese.
5. Equity ..... { Snell.  
Marsh (History of the Court of Chancery).
6. Theory of Obligation.... Institutes of Justinian { Bk. 1, titles 1, 2, 3.  
Bk. 3, titles 13-39.  
Bk. 4, title 1.  
Mackenzie, Roman Law, Part III.
7. Canadian Constitutional Law.. Clement.

**Fourth Year.**

1. Law of Torts..... { Bigelow, English ed.  
Pollock.
2. Law of Real Property..... { Digby.  
Armour's Leith's Blackstone.
3. Commercial Law ..... { Chalmers.  
Maclaren, Bills and Notes.
4. Private International Law.... Westlake.
5. Corporations..... Brice on *ultra vires*, Parts 1, 2 and 3.
6. Construction and operation of  
Statutes ..... Hardcastle.
7. Criminal Law..... { Harris.  
Criminal Code and amendments,  
excepting as regards Procedure.
8. Domestic Relations ..... Eversley, Parts 1, 2 and 3.

Each candidate for the degree of LL.B. must present a thesis satisfactory to the examiners in law, upon some subject embraced in the curriculum, on or before the 31st of March in the year in which he presents himself for examination in his Fourth year in the Faculty of Law, or on or before the said date in any subsequent year. The subject of the thesis will be prescribed by the Senate, and will be announced at least eight months before the date upon which it is due. An oral examination on the subject of the thesis may be required at the option of the examiners in Law. Candidates for the degree may defer presenting the thesis until a subsequent annual examination, in which case the fee for examination shall be \$10.

**Fees.**

The following fees must be paid:—

|   |         |
|---|---------|
| For matriculation or entrance.....                | \$10 00 |
| For each examination after matriculation.....     | 10 00   |
| For each supplemental examination.....            | 10 00   |
| For the degree of LL.B.....                       | 20 00   |
| For admission <i>ad eundem gradum</i> , LL.B..... | 20 00   |

The fee for Matriculation and for each subsequent examination must be paid to the Bursar at the time the candidate makes application for the examination.

The fee for the degree must be paid to the Bursar before the candidate is admitted to the Final examination.

**Examinations.**

The examinations will take place in the month of May. Notice of the day when they commence will be given in January.

Every student who purposes presenting himself at any examination is required to send to the Registrar, at least six weeks before the day appointed for the examination, a paper (according to a printed form which will be provided on application) stating his standing, and whether he is a candidate for Honours or otherwise.

Candidates who at any examination have failed in not more than two subjects may present themselves for examination in such subjects at the next ensuing Supplemental examinations.

Undergraduates below the Fourth year in the Faculty of Law, who have been rejected or who have been prevented from attending the Annual examinations in May by sickness or other cause beyond their control, may present themselves in September, at the time of the Supplemental examinations in Arts.

Candidates in the Faculty of Law shall not be required to pass an examination on those subjects in which they have already passed the required examination in the University of Toronto, or an equivalent examination in the course of studies prescribed by the Law Society of Upper Canada.

Candidates who have taken the course at the Law School are required to present to the Registrar a certificate from the Secretary of the Law Society, showing the subjects in the Law School curriculum on which the candidate has passed examinations at the said School, and such certificate shall entitle the candidate to exemption from examination on the subjects mentioned in said certificate, where said subjects are included in the University curriculum in Law.

**Subject of Thesis.**

The subject for the thesis for 1903 shall be "The Influence of the civil law upon the common law and equity jurisprudence of England."



**Certificates of Honour.**

Certificates of Honour will be given at each examination to those students who have been placed in the first and second class of Honours. The fee for such certificates shall be one dollar.

**Prize.**

The Edward Thompson Company's Prizes of the American and English Encyclopædia of Law and of the Encyclopædia of Pleading and Practice will be awarded to the candidates for LL.B. who shall have received the highest and second highest aggregate number of marks at the examination for that degree in the Faculty of Law in all the subjects prescribed for the Fourth year, including the thesis upon a legal subject, required of such candidates, and who shall be recommended for the prizes by the examiners in Law, and the special examiners appointed to examine the theses submitted by such candidates.

**Text-Books and Works of Reference.**

American and English Encyclopædia of Law; Encyclopædia of Pleading and Practice.

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**FACULTY OF MEDICINE.**

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## The Faculty.

*President of the University*.....JAMES LOUDON, M.A., LL.D.  
*Dean of the Faculty*.....R. A. REEVE, B.A., M.D., LL.D.  
*Secretary*.....A. PRIMROSE, M.B., C.M., Edin.

### *Professores Emeriti.*

JAMES THORBURN, M.D.                      W. W. OGDEN, M.D.  
 M. H. AIKINS, B.A., M.D.                  J. H. RICHARDSON, M.D.

### *Professors, Lecturers and Demonstrators.*

#### ANATOMY.

*Professor and Director of the Anatomical Department:* A. PRIMROSE,  
 M.B., C.M., Edin.

*Associate-Professor:* H. WILBERFORCE AIKINS, B.A., M.B., Tor.

*Demonstrator:* F. N. G. STARR, M.B., Tor.

#### *\*Assistant-Demonstrators:*

CLARENCE L. STARR, M.B., Tor.  
 W. J. MCCOLLUM, M.B., Tor.  
 A. A. SMALL, M.B., Tor.  
 W. J. O. MALLOCH, B.A., M.B., Tor.  
 S. H. WESTMAN, M.B., Tor.  
 W. H. PIERSOL, B.A., M.B., Tor.  
 E. R. HOOPER, B.A., M.B., Tor.  
 W. J. WILSON, M.B., Tor.  
 A. C. HENDRICK, B.A., M.B., Tor.  
 A. J. MACKENZIE, B.A., M.B., Tor.  
 D. MCGILLIVRAY, M.B., Tor.

#### SURGERY.

*Professor of Surgery and Clinical Surgery:* I. H. CAMERON, M.B., Tor.,  
 F.R.C.S., Eng.

*Associate-Professor of Surgery and Clinical Surgery:* G. A. PETERS,  
 M.B., Tor., F.R.C.S., Eng.

*Associate-Professors of Clinical Surgery:* A. PRIMROSE, M.B., C.M.,  
 Edin.; B. SPENCER, M.D., Tor.; H. A. BRUCE, M.B.,  
 Tor., F.R.C.S., Eng.; W. OLDRIGHT, M.A., M.D., Tor.;  
 F. N. G. STARR, M.B., Tor.

*Lecturers in Clinical Surgery:* W. MACKEOWN, B.A., M.B., Tor.; C. L.  
 STARR, M.B., Tor.

#### PATHOLOGY.

*Professor of Pathology and Bacteriology:* J. J. MACKENZIE, B.A., M.B.,  
 Tor.

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\*The Demonstrators and Assistant-Demonstrators here mentioned are those of the Session 1901-1902. They are eligible for reappointment.

*Associate-Professor of Pathology and Bacteriology:* JOHN AMYOT, M.B., Tor.

*Laboratory Assistant in Bacteriology:* T. D. ARCHIBALD, M.B., Tor.

*\*Demonstrators:* G. SILVERTHORN, M.B., Tor.; C. J. WAGNER, M.B., Tor.

*\*Assistant-Demonstrators:* T. D. ARCHIBALD, M.B., Tor.; M. M. CRAWFORD, M.B., Tor.

#### MEDICINE.

*Professor of Medicine and Clinical Medicine:* A. MCPHEDRAN, M.B., Tor.

*Associate-Professor of Clinical Medicine:* W. P. CAVEN, M.B., Tor.

*Associate-Professor of Clinical Medicine:* W. B. THISTLE, M.D., Tor.

*Lecturers in Medicine and Clinical Medicine:* R. J. DWYER, M.B., Tor.;

R. D. RUDOLF, M.D., C.M., Edin., M.R.C.P., Lond.

*Lecturers in Clinical Medicine:* G. BOYD, B.A., M.B., Tor.; A. R.

GORDON, M.B., Tor.; G. CHAMBERS, B.A., M.B., Tor.

*Demonstrator in Clinical Medicine:* W. GOLDIE, M.B., Tor.

#### MATERIA MEDICA AND THERAPEUTICS.

*Professor:* JAMES M. MACCALLUM, B.A., M.D., Tor.

*Associate-Professor of Pharmacology and Therapeutics:* C. F. HEEBNER, Phm.B., Tor.

#### GYNAECOLOGY AND OBSTETRICS.

*Professor of Gynaecology:* UZZIEL OGDEN, M.D., Tor.

*Associate-Professor of Gynaecology:* J. F. W. ROSS, M.B., Tor.

*Professor of Obstetrics:* A. H. WRIGHT, B.A., M.D., Tor.

*Associate-Professor of Obstetrics and Pediatrics:* H. T. MACHELL, M.B., Tor.

*\*Demonstrator in Obstetrics:* K. C. McILWRAITH, M.B., Tor.

#### OPHTHALMOLOGY, OTOTOLOGY, LARYNGOLOGY AND RHINOLOGY.

*Professor of Ophthalmology and Otology:* R. A. REEVE, B.A., M.D., LL.D., Tor.

*Associate-Professor of Ophthalmology and Otology:* G. H. BURNHAM, M.D., Tor., F.R.C.S., Edin.

*Professor of Laryngology and Rhinology:* G. R. McDONAGH, M.D., Tor.

#### HYGIENE.

*Professor:* W. OLDRIGHT, M.A., M.D., Tor.

#### TOXICOLOGY.

*Professor:* W. H. ELLIS, M.A., M.B., Tor.

#### MEDICAL JURISPRUDENCE.

*Professor:* B. SPENCER, M.D., Tor.

*Lecturer:* HON. DAVID MILLS, LL.B., K.C.

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\*The Demonstrators and Assistant-Demonstrators here mentioned are those of the Session 1901-1902. They are eligible for reappointment.



## MENTAL DISEASES.

*Extra-Mural Professors:* DANIEL CLARK, M.D., Tor., N. H. BEEMER, M.B., Tor.

## BIOLOGY.

*Professor of Biology:* R. RAMSAY WRIGHT, M.A., B.Sc., Edin., LL.D., Tor.

*Demonstrator in Biology:* B. A. BENSLEY, B.A., Tor. Ph.D., Col.

## PHYSIOLOGY.

*Professor:* A. B. MACALLUM, M.A., M.B., Tor., Ph.D., Johns Hopkins.

*Demonstrator:* F. H. SCOTT, B.A., Ph.D., Tor.

*Assistant Demonstrators:* W. J. O. MALLOCH, B.A., M.B., Tor.; S. W. WESTMAN, M.B., Tor.; A. C. HENDRICK, B.A., M.B., Tor.

## CHEMISTRY.

*Professor:* W. R. LANG, D.Sc., Glasg.

*Associate-Professor:* W. L. MILLER, B.A., Tor., Ph.D., Munich.

*Lecturers:* F. B. ALLAN, M.A., Ph.D., Tor.; F. B. KENRICK, M.A., Tor., Ph.D., Leipzig.

*Fellow:* MISS C. C. BENSON, B.A., Tor.

*Lecture-Assistant:* C. M. CARSON, B.A., Tor.

## PHYSICS.

*Professor:* JAMES LOUDON, M.A., LL.D., Tor.

*Lecturer:* C. A. CHANT, B.A., Tor., Ph.D., Harv.

## COURSES OF LECTURES

AND

METHODS OF INSTRUCTION.

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WINTER SESSION, 1902—1903.

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## Chemistry.

*Professor:* W. R. LANG.*Lecturers:* F. B. ALLAN, F. B. KENRICK.*Fellow:* MISS C. C. BENSON, B.A., Tor.*Lecture-Assistant:* C. M. CARSON.

All lectures and practical work will be given in the Chemical Building. The students of the First year attend a course of lectures delivered three times a week in the large lecture theatre, on Inorganic Chemistry. This course embraces the study of the non-metallic and metallic elements and of their principal compounds, based on Mendeleeff's classification of the elements.

*Tutorial Classes:* In addition to the Lectures the class is divided into sections, each of which meets one day a week for further instruction in Arithmetical Chemistry.

*Text-Books:* Remsen's College Chemistry. Newth, Inorganic Chemistry.

*Chemistry:* The instruction given in practical chemistry includes a systematic course of laboratory work including qualitative analysis of inorganic salts, acids and bases.

The students of the Second year attend a course of lectures on Organic Chemistry, delivered twice a week. The principles of organic analyses and the basis on which the compounds of carbon are classified are explained, and the typical compounds and derivations of the "fatty" series specially described. An elementary study of the "aromatic" series is also included in the course.

*Text-Books:* Remsen's Organic Chemistry.

The laboratory work of the Second year includes elementary volumetric analysis, with special application to clinical

medicine and sanitary science, and the analysis of urine; and qualitative analysis as applied in toxicology and medicine.

Students working in the laboratory are provided with the necessary apparatus on making a deposit of three dollars\* at the commencement of the session, which will be returned at the close of the session after the following charges have been deducted from it: —

(1) The cost of all apparatus broken or destroyed.

(2) Any fines for breach of laboratory rules.

No certificate will be given for the practical work unless the student has passed the practical examinations conducted during the session.

## Physics.

*Professor:* J. LOUDON.

*Lecturer:* C. A. CHANT.

The lectures on Physics will give a concise outline of the entire subject, and are intended to form a satisfactory foundation for future study in other branches of science.

The various parts will be treated in an experimental manner, and will be considered in the following order:—

### 1. MECHANICS:

General notions and terms, such as velocity, acceleration, mass, momentum, force, energy; together with calculations to illustrate the laws.

### 2. HYDROSTATICS:

Pressures and their transmission, specific gravity, and general properties of liquids and gases.

### 3. SOUND:

General explanation of wave-motion, reflection and interference of sound, tuning forks, organ-pipes, strings, and the musical scale.

### 4. HEAT:

Thermometers, expansion, specific heat, latent heat, and other ordinary phenomena.

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\*This is in addition to the fee of three dollars mentioned as "Chemical Laboratory Supply Fee," on page 225.

### 5. LIGHT:

Laws of reflection and refraction, mirrors, prisms, lenses, microscope and telescope, colour, double-refraction and polarisation.

### 6. ELECTRICITY AND MAGNETISM:

Laws of magnetism; voltaic cell, chemical, magnetic and heating effect of the electric current; induction, the induction-coil, dynamo, etc.

The lectures will be given in Room 16, Main Building (West Wing).

## Biology.

*Professor of Biology:* R. RAMSAY WRIGHT,

*Demonstrator in Biology:* B. A. BENSLEY.

1. Students of the First year will attend a course of lectures on general biology and elementary physiology, to be given three days a week throughout the session. This course of lectures is common to the Arts students of the First year, and is designed as an introduction to the whole range of biological studies. After a sketch of the scope and objects of these, the lectures will treat (1) of the fundamental principles of biology, as illustrated by the simplest animals and plants, (2) of typical forms of higher plants in ascending order, (3) of the structure and functions of the human body, and (4) comparatively, of the vertebrates and of the rest of the animal kingdom. Students are recommended to make use of the Biological Museum in connection with this course of lectures.

2. A practical course of fifty hours' duration, illustrating the above and serving as an introduction to the use of the microscope, will be conducted by the Demonstrator under the supervision of the Professor of Biology.

3. The instruction in embryology and histology will consist of forty lectures during the session, and a practical course involving fifty hours' work in the laboratory. The lectures on Embryology will be chiefly devoted to the development of the external form of the organs and of the tissues of the human body, but the necessary comparative data for the proper understanding of these will be supplied by reference to the



embryology of the amphibia and the birds. The student may consult the large collection of models of embryology in the Museum, which are now furnished with explanatory labels designed to supplement the instruction given in the lectures. The lectures on Histology are designed to cover the general principles of Human Histology. The practical course will be conducted by the Demonstrator, and the student will have the opportunity of providing himself with a set of fifty typical specimens illustrative of embryology and histology, as well as of becoming acquainted with the methods employed in the preparation of these.

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### **The Biological Museum.**

The University Biological Museum forms the central portion of the Biological Buildings. It is primarily intended as an educational Museum for the students taking biology as part of their University work. It is arranged in such a way as to facilitate the most elementary as well as the most advanced studies, each specimen, as far as possible, being furnished with a printed label indicating the most salient points which it is designed to illustrate. The Museum, however, being open every afternoon, is also of great interest to the general public and attracts even greater numbers of visitors than the old Natural History Museum in the University Building.

The public entrance to the Museum is situated in the west façade of the Biological Buildings, while the students gain access to the rooms through the eastern wing, in which the laboratories are located. The interior of the Museum, which occupies two floors, is sub-divided into four rooms, seventy-five by twenty-five feet in size, amply lighted by handsome windows on the north and south sides. Three of these rooms are devoted to Animal Biology, while the fourth, which is to be arranged for the illustration of Vegetable Biology, is temporarily fitted up for the accommodation of the Ferrier collection of minerals.

The public entrance opens into the north ground floor room, the wall-cases in which contain stuffed specimens of the vari-

ous orders of Mammals, while the free-standing cases between the windows illustrate the comparative anatomy and development of that class. All the show-cases are constructed of iron and plate-glass, those destined for the exhibition of smaller specimens standing on wooden storage-cases, built of cherry and cedar, and containing skins and other specimens for private study. The south ground-floor room is devoted to the remaining vertebrate classes, the wall-cases containing stuffed specimens of birds, reptiles, batrachians and fishes, and the smaller cases between the windows containing specimens illustrating the comparative anatomy and development of these classes.

A handsome staircase decorated with busts of distinguished biologists connects the ground-floor and the first floor; a number of wall-cases in ascending series contains a small collection of fossils from all parts of the world, as a graphic illustration of the relative position of the fossiliferous strata, and of their characteristic remains.

The south first floor contains illustrative specimens of all the remaining branches of the animal kingdom, the arthropods and molluscs being exhibited in the wall-cases and the table-cases standing in the alcoves of these, while the protozoa, sponges, coelenterates, echinoderms and worms are accommodated in the cases between the windows.

Although the Natural History Museum suffered considerable losses on the occasion of the University fire, these fortunately did not involve the large collection of models and specimens most useful from the educational point of view, while the generosity of public bodies and private individuals has largely repaired the losses referred to, so that the Museum will be found to constitute a most important addition to the instruction furnished in the lecture-rooms and laboratories.

## Physiology.

*Professor of Physiology:* A. B. MACALLUM.

*Demonstrator of Physiology:* F. H. SCOTT.

*Assistant Demonstrators of Physiology:* W. J. O. MALLOCH, S. W. WESTMAN, A. C. HENDRICK.

1. A course of thirty lectures, with demonstrations, will be given in Physiology during the Easter Term for students of the First year.

2. The students of the Second year will attend throughout the Session a course of lectures and demonstrations in advanced physiology. In addition each student will be required to repeat for himself the important demonstrations and to familiarize himself with the subject from the experimental point of view. In order to facilitate this each student will devote six hours per week to systematic work in the physiological laboratory, and a record of the work so done, from week to week by him, will be kept by the demonstrator. At the end of the Session this record will be taken into consideration, along with the results of his written examinations, in determining the student's standing in the class lists. The laboratory course is so arranged as to give the student a thorough training in experimental physiology.

Arrangements will also be made for a weekly class review in physiology.

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## Anatomy.

*Professor, and Director of the Anatomical Department:* A. PRIMROSE.

*Associate-Professor:* H. W. AIKINS.

*Demonstrator:* F. N. G. STARR.

*Assistant-Demonstrators:* C. L. STARR, A. A. SMALL, W. J. MCCOLLUM,

W. J. O. MALLOCH, S. W. WESTMAN, E. R. HOOPER,

W. H. PIERSOL, W. J. WILSON, A. C. HENDRICK,

A. J. MACKENZIE, D. MCGILLIVRAY.

**Lectures:**—A course of lectures will be given in the Biological Department for students of the First and Second years; in this course the structure of the human body will be described in a systematic manner; the various organs of the body will be examined with their more important relations and connections. In order that the course may be more comprehensive certain principles in general morphology and devel-

opment will be elucidated. The lectures will be illustrated by recent dissections, by wet and dry preparations and by drawings and diagrams. In the class-room a projection apparatus will be employed for the purpose of throwing upon a screen an enlarged view of the photographs, taken from the valuable preparations which are displayed for study in the Museum. This greatly facilitates the demonstration of anatomical structure before a large class; plates of these preparations will be distributed among the students.

Tutorial instruction will be given to limited classes for the purpose of studying osteology, and for the demonstration of the structure of the central nervous system and the special sense organs.

A course of lectures will be given for students of the Third and Fourth years. This course will consist of a systematic study of the regional anatomy of the human body as applied in the practice of medicine and surgery. The lectures will be illustrated by suitable preparations, and a series of demonstrations of landmarks will be conducted on the living subject.

Demonstrations:—A series of demonstrations will be conducted daily for students of the Second year. In this class the main facts in gross human anatomy will be demonstrated from recent dissections.

Dissection:—The dissecting-room will be open daily from 9 a.m. until 6 p.m. on Monday, Tuesday, Wednesday, Thursday and Friday, and from 9 a.m. till 12 noon on Saturday. Students will be required to conduct their work in a systematic manner and to conform to the regulations in force in the dissecting-room. One or more of the Assistant-Demonstrators will be in attendance at all times for the purpose of superintending the work of the students, and of giving instruction. Examinations will be conducted from time to time on the parts dissected, and marks allotted for the work done. Certificates for work in practical anatomy are granted to such students only as have obtained the requisite number of marks in the examinations.

The dissecting-room is admirably adapted for the purposes of practical anatomy. It is large and well ventilated, and is



equipped in such a manner as to afford every possible comfort and convenience to the student. Each student is provided with a locker for his private use. A notable feature of the dissecting-room is the excellent light, the room being lighted from the roof through extensive sky-lights, and when sunlight fails, electricity is employed with equally good effect.

Museum:—In connection with the dissecting-room a series of preparations have been mounted for the purpose of study. The disarticulated bones of the skeleton are included in this collection, together with frozen sections of the human body; wet preparations, illustrating regional anatomy, are also provided. A valuable and instructive series of Steger's models of frozen sections of His are exhibited in the Museum, together with a complete series of dissections of the brain and other preparations. Cunningham's series of models illustrating the topographical anatomy of the brain have recently been obtained.

Arrangements are such that a student may obtain bones from the osteological store-room, which he may take home for a limited period, if he so desire.

A pamphlet will be issued containing directions for the guidance of students of the class in anatomy, with the regulations for the dissecting-room. This should be procured by all students enrolled in the Anatomical Department.

### **Materia Medica and Therapeutics.**

*Professor of Therapeutics:* J. M. MACCALLUM.

*Associate-Professor of Pharmacology and Therapeutics:* C. F. HEEBNER.

The course in therapeutics includes: 1. General Therapeutics or the nature and action of remedies generally. 2. The various forms in which medicines are administered, and the channels through which they are introduced into the system. 3. Special therapeutics, of the more important medicines of the British Pharmacopœia, and of recent important but non-official medicinal substances.

There will also be dealt with such subjects as electricity in its application to disease, heat, cold, climate, massage, and hydrotherapy.

**Clinical Therapeutics:**—Cases in the wards of the General Hospital and of the Hospital for Sick Children will be used to illustrate important points in special and general therapeutics.

The following subjects will be considered in the course on materia medica and elementary therapeutics:—

1. The exhibition of drugs. This subject will be discussed as to the forms of drugs, and their mode of administration.

2. Therapeutic terms and definitions, with such explanations as may be necessary to make their use in the subsequent lectures understood.

3. General pharmaceutical operations, as solution, maceration, digestion, percolation, etc., the preparation of ointments, extracts, infusions, etc., the comparative values of the various solving menstrua and bases, and the effect upon drugs of the different pharmaceutical methods used.

4. The general principles of posology, and modifying influences.

5. The art of prescribing. Instruction in this subject will be directed with a view to indicate the means of ensuring that mixtures may be therapeutically effective, free from incompatibility and pleasing to the eye and taste.

6. Crude drugs. Their nomenclature, source, physical and chemical characters, active principles, medicinal properties, dose, impurities and adulterations, toxicological action, if any.

(a) Inorganic drugs.

(b) The carbon compounds.

(c) Plant drugs.

(d) Animal drugs.

7. Prepared drugs. The official and important officinal preparations will be considered individually as to their strength, method of preparation, dose, etc.

The collection of specimens of crude and prepared drugs is complete in every respect. These specimens will be handed to the students for inspection, at each lecture, and then returned to the glass cases in the Reading Room, where they may be further inspected. Provision will be made whereby all students of the class may secure a complete set of specimens, at a moderate cost, for home study.

## Medicine.

*Professor of Medicine and Clinical Medicine:* A. MCPHEDRAN.

*Associate-Professors of Clinical Medicine:* W. P. CAVEN, W. B. THISTLE.

*Lecturers on Medicine and Clinical Medicine:* R. J. DWYER, R. D. RUDOLF.

*Lecturers in Clinical Medicine:* G. BOYD, A. R. GORDON, G. CHAMBERS.

*Demonstrator:* WM. GOLDIE.

These lectures are devoted to the consideration of the general principles of medicine and to the discussion of the internal diseases met with in this climate. When the subjects under consideration can be demonstrated to the whole class patients will be presented to illustrate the lectures. This method has been found of the greatest advantage. The wards and out-patient rooms of the several hospitals afford facilities for demonstrations to smaller classes. The lectures are also illustrated by lantern-slides, models, etc., from the Museum, and by morbid specimens from the Pathological Department.

To the Third year class a short special course of lectures is given on the physics of the various clinical phenomena.

### Clinical Medicine.

The teaching in Clinical Medicine is carried on at the Toronto General and St. Michael's Hospitals and the Victoria Hospital for Sick Children.

I.—THE STUDENTS OF THE THIRD YEAR are given instruction as follows:—

(1) In physical diagnosis.

(2) In case-taking and they are required to report cases in the out-patient departments and wards of the hospitals.

(3) Investigations in the Clinical Laboratory in connection with the cases falling under their observation.

II.—THE GRADUATING CLASS will receive instruction as follows:—

(1) Clinical lectures in the hospital theatres.

(2) Clinical instruction in small classes in the wards of the hospitals.

(3) They are required to prepare accurate histories and carry out the requisite laboratory investigations of the cases assigned to them.

(4) They are instructed in the various therapeutic means applicable to the cases under observation.

### Disease of Children.

This course comprises lectures to Third and Fourth year students on such subjects as diseases of the newly-born, infant feeding, diseases of the digestive system, the acute infectious diseases, etc. Daily clinics are held at the Hospital for Sick Children on medical and surgical cases in hospital.

### Surgery.

*Professor of Surgery and Clinical Surgery:* I. H. CAMERON.

*Associate-Professor of Surgery and Clinical Surgery:* G. A. PETERS.

*Associate-Professors of Clinical Surgery:* A. PRIMROSE, B. SPENCER.

H. A. BRUCE, W. OLDRIGHT, F. N. G. STARR.

*Lecturers in Clinical Surgery:* C. L. STARR, W. MACKEOWN.

This course of lectures comprehends:—

1. The general principles of surgery, as based upon what is known of: (a) The natural history of diseases of a surgical character as they affect the human frame, as, for example, abscess, ulceration, mortification, tumours, etc.; (b) The processes of repair and regeneration taking place in tissues, which have been diseased, such as the healing of wounds, the expulsion of foreign bodies, as bullets, dead bone, etc.; and (c) The part played in the economy by micro-organisms, involving a consideration of the germ theory of disease.

#### 2. Surgical Injuries.

(a) Of tissues, as fractures, dislocations, and injuries to nerves, blood vessels, etc.

(b) Of organs contained in the so-called cavities of the body, the brain, lungs and abdominal viscera.

3. Surgical diseases, as aneurism, varicose veins, calculus in the kidney or bladder, hernia, tuberculous diseases of joints, bones, testicles, etc., pyæmia, erysipelas, etc.

4. The correction of malformations, deformities and defects, as club-foot, spinal curvatures, hare-lip, cleft-palate and other conditions usually classified under the headings of orthopædic and plastic surgery.

The course will be illustrated by plates and drawings, by



specimens from the Museum and fresh specimens from the operating and post-mortem rooms, and by special reference to clinical cases falling under the immediate observation of the students in the wards of the Hospitals.

### Clinical Surgery.

In teaching clinical surgery, an effort is made to give as much personal instruction to each student as possible, and whenever it is practicable he is permitted to make a careful examination of the patients brought before the class. In order to facilitate this the classes are made small, and are graded to some extent according to the degree of advancement of the students in their studies. Whenever dressings are done and apparatus applied in the presence of the classes, each step of the proceeding is explained by the surgeon and the clinical clerks and dressers participate in the actual work.

During his course, each student has an opportunity of acting as clinical clerk and dresser, thus being afforded facilities for coming into that immediate contact with the patient which is so important from the point of view of practice, and which lends so much additional interest to the cases in his charge.

The material available for the instruction of students is abundant, consisting of out-door and in-door patients in the Toronto General Hospital, St. Michael's Hospital, and the Hospital for Sick Children. In the last named institution may be found cases, in great numbers and varieties, illustrating all the diseases, deformities and defects, such as club-foot, hare-lip, hip-joint disease, Pott's disease, and other conditions met with most frequently in the young.

Special instruction is also given in the use of surgical appliances, splints, bandages, dressings, and the various details of minor surgery, and in the management of fractures and dislocations.

## Pathology.

*Professor of Pathology and Bacteriology:* J. J. MACKENZIE.

*Associate-Professor of Pathology and Bacteriology:* J. AMYOT.

*Laboratory Assistant in Bacteriology:* T. D. ARCHIBALD.

*Demonstrators:* G. SILVERTHORN, C. J. WAGNER.

*Assistant-Demonstrators:* T. D. ARCHIBALD, M. M. CRAWFORD.

The course will embrace lectures on general and special pathology, together with demonstrations in both gross morbid anatomy and pathological histology. The lectures to the Third year will be mainly upon general pathology, and those to the Fourth year upon special pathology. Post-mortem examinations are performed by the Professor of Pathology or the Associate-Professor at the General Hospital, and the students of the Fourth year will be expected to take part in these. Gross demonstrations in addition to those in the Hospital Mortuary are given in the College class-rooms every week, and will be so arranged that Students of both Third and Fourth years may take advantage of them. The University having equipped a pathological laboratory in the school building, and a clinical laboratory in the General Hospital, every facility for microscopical work in tissues and fluids is afforded. At least seventy-five slides of morbid tissues are mounted by each senior student, and four hours of demonstration in microscopical work per week given in each year. Clinical clerks receive regular instruction in the analysis of urine, examination of blood, sputum, etc., in the Hospital Clinical Laboratory.

In Bacteriology, a course of lectures will be given, and every student will be required to work in the Bacteriological Laboratory for one month. The Assistant in Bacteriology will give all needed assistance to clinical clerks who may have to undertake bacteriological work in connection with cases under their charge in the Hospital.

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## Hygiene.

*Professor:* W. OLDRIGHT.

The student is recommended to obtain from one of the works mentioned in the list of text books an elementary knowledge of the subject of each next succeeding lecture.

The information thus obtained will be supplemented in the lectures, and fuller consideration will be given to those points which require special attention on account of differences of climate, population, occupations, social and political organization, and other circumstances in Canada. Students will also be guided in regard to sources of information and current literature relating to health work in this country.

In addition to the theoretical teaching, practical demonstrations will be given by means of various instruments. The following subjects will be embraced in the course: air, impurities and their effects, ventilation and heating; hygienic architecture; climatology; sewerage and disposal of refuse; water supplies; foods, dietaries, adulterations; occupations; physical and mental exercise and overwork; clothing; baths; contagion and infection, management of epidemics, quarantine; duties and functions of medical health officers and boards of health; vital statistics; sanitary legislation—federal, provincial and municipal.

#### Museum of Hygiene.

In the Museum of Hygiene will be found apparatus and samples for teaching and illustrating the various branches of Hygiene, and exhibits contributed by manufacturers and other persons interested in the subject.

#### Toxicology.

*Professor: W. H. ELLIS.*

A series of lectures and demonstrations on toxicology is given under the following heads:—

##### THE NATURE OF POISONS.

Their properties, physical, chemical and physiological.

##### THE OCCURRENCE OF POISONS.

In nature, in the arts, and in common life. Danger from poisoning incidental to particular callings. Genesis of poisons in the dead and in the living body.

##### ANTIDOTES TO POISONS.

##### THE DETECTION OF POISONS.

Identification of poisons in the pure state. Separation from organic matter.

Post-mortem examinations for poisons.

## Medical Jurisprudence.

*Professor:* B. SPENCER.

*Legal Lecturer:* HON. DAVID MILLS.

The course will embrace the discussion of the following subjects in their medico-legal aspects:—

Reports and written opinions; expert evidence; Coroner's Law.

The identity of the person—living and dead.

Death; its causes, signs, and period of occurrence. Apparent death; autopsy; exhumation.

Injuries to the person,—in connection with which will be considered wounds and other external injuries; blood-stains; suffocation, hanging and strangling; drowning and starvation.

Offences against chastity, including rape, criminal abortion and infanticide.

Live birth, legitimacy, congenital defects and feigned diseases.

Life insurance.

Malpractice.

Suicide.

Medical ethics.

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## Mental Diseases.

*Extra-Mural Professors:* DANIEL CLARK, N. H. BEEMER.

The course of lectures will be chiefly clinical, and given at the Asylums. The subjects discussed will be of a practical nature as far as possible, and may be classified as follows:—

1st. Definitions and errors arising therefrom in the study of insanity.

2nd. The brain and its exceptional construction and functions.

3rd. The brain as an organ of the mind.

4th. Sanity and insanity in their relation to one another.

5th. Different forms of insanity, illustrated by patients.

6th. The moral treatment of the insane.

7th. The medical treatment of the insane in the various forms of their diseases.



## Gynæcology and Obstetrics.

*Professor of Gynaecology:* U. OGDEN.

*Associate-Professor of Gynaecology:* J. F. W. ROSS.

*Professor of Obstetrics and Pediatrics:* A. H. WRIGHT.

*Associate-Professor of Obstetrics and Pediatrics:* H. T. MACHELL.

As such very ample means are now furnished in other departments for the study of anatomy, physiology and pathology, the Professors of Gynæcology will devote their time altogether to the various methods of examination and diagnosis; the use and application of instruments; and the symptoms, diagnosis and treatment of diseases peculiar to women.

The disorders of menstruation, leucorrhœa, chlorosis, metritis in its various forms, tumours, displacements and diseases of the uterus and ovaries, lacerations of the cervix uteri and perineum, and abdominal surgery will be treated of and illustrated by large plates, casts and morbid specimens in the didactic course, while operative gynæcology will be fully demonstrated by the Professors in their clinics in the Toronto General Hospital.

There will be two separate courses in obstetrics; one for the students of the Third year in physiological obstetrics, and the other for students of the Fourth year in pathological obstetrics.

The Third year course in physiological obstetrics will include the following: anatomy and physiology of the female organs of reproduction; physiology of pregnancy; physiology, mechanism, and management of labor; management of the puerperal state; management of the infant.

The Fourth year course on pathological obstetrics will include: diseases of pregnancy, abortion and premature labor, dystocia, accidents before and after delivery, obstetrical operations, puerperal diseases, including septicæmia.

Practical demonstrations will be given on the phantom or cadaver, and diagrams, specimens, models, etc., will be used in illustrating the various subjects treated of in the two courses.

A special course of instruction in Disease in Children will be conducted by the Associate-Professor of Obstetrics and

Pediatrics. He will be assisted in the clinical work by other members of the Faculty who are on the staff of the Hospital for Sick Children.

## Ophthalmology, Otology, Laryngology and Rhinology.

*Professor of Ophthalmology and Otology:* R. A. REEVE.

*Associate-Professor of Ophthalmology and Otology:* G. H. BURNHAM.

*Professor of Laryngology and Rhinology:* G. R. McDONAGH.

In addition to a short course of didactic lectures on Diseases of the Eye and Ear at the College, practical instruction will be given four times in the week at the clinics in the Provincial (Mercer) Eye and Ear Infirmary, Toronto General Hospital.

In the department of Laryngology and Rhinology, a course of practical lectures on the commoner forms of disease of the Throat and Nose will be given, and in the General Hospital there will be clinical teaching and opportunities for examining patients twice a week.

## The Toronto General Hospital.

The following members of the Faculty are members of the staff of the Toronto General Hospital:—

### *Consulting.*

PROF. J. H. RICHARDSON, M.D.

PROF. J. THORBURN, M.D.

### *Physicians.*

PROF. A. MCPHEDRAN, M.B.

PROF. W. P. CAVEN, M.B.

### *Surgeons.*

PROF. I. H. CAMERON, M.B.

PROF. G. A. PETERS, M.B.

### *Emergency Branch.*

#### *Surgeons.*

PROF. A. PRIMROSE, M.B.

PROF. B. SPENCER, M.D.

#### *Physicians.*

PROF. J. M. MACCALLUM, M.D.

PROF. W. B. THISTLE, M.B.

### *Out-door.*

#### *Surgeons.*

PROF. F. N. G. STARR, M.B.

PROF. H. A. BRUCE, M.B.

#### *Physicians.*

A. R. GORDON, M.B.

R. D. RUDOLF, M.D.

### *Gynaecology and Obstetrics.*

PROF. U. OGDEN, M.D.

PROF. A. H. WRIGHT, M.D.

PROF. J. F. W. ROSS, M.B.

*Pathology.*

PROF. J. J. MACKENZIE.

J. AMYOT, M.B.

W. GOLDIE, M.B.

*Ophthalmology and Otology.*

PROF. R. A. REEVE, M.D.

PROF. G. H. BURNHAM, M.D.

*Rhinology and Laryngology.*

PROF. G. R. McDONAGH, M.D.

*Assistant in Rhinology and Laryngology.*

G. BOYD, M.B.

*Registrars.*

K. C. McILWRAITH, M.B.

CLARENCE L. STARR, M.B.

A. A. SMALL, M.B.

R. J. DWYER, M.B.

W. J. O. MALLOCH, M.B.

W. J. MCCOLLUM, M.B.

The Hospital has now 425 beds, and during the year the number of in-patients under treatment has varied from 250 to 300. During last year about 3,300 patients were admitted, and 16,000 patients received treatment in the out-door department.

All the patients in the Hospital are, as a rule, suffering from acute medical or surgical disease; the chronic cases are generally sent to the Home for Incurables or House of Providence, and the convalescent patients are sent to the new Convalescent Home, recently erected on Wells's Hill.

**Clinical Teaching.**

Clinical instruction is given in the various departments of the Hospital on all classes of patients.

I. *Theatre Lectures*:—Clinical Lectures are given daily, on patients brought from the wards to the large theatre, by the professors of clinical medicine and of clinical surgery to the students of the Third and Fourth years.

II. *Instruction in the Wards*:

(a) *Medicine and Surgery*:—A systematic course of bedside instruction is given to a limited class of students. Arrangements are such that each physician and surgeon or his assistant is in daily attendance for the purpose of imparting instruction at the bedside. By this means provision is made for continuous daily work in the ward, and students of both Third and Fourth years are required to avail themselves of it.

(b) *Gynæcology*:—Small classes of students receive instruction in diseases peculiar to women in the pavilion specially devoted to the treatment of such patients. These classes meet twice a week. Increased facilities have recently been provided for an out-door gynæcological clinic.

(c) *Obstetrics*:—In the Burnside Lying-in Hospital, in which there are over 200 births a year, final students are permitted to witness and assist in the conduct of *labours*. Students are also allowed to make engagements with out-patients and to attend them in confinements at their own homes.

(d) *Ophthalmology, Otology, Laryngology and Rhinology*:—Diseases of the eye, ear, throat, and nose are studied in the wards of the Andrew Mercer Infirmary.

III. *Surgical Operations*:—Surgical operations are performed in the large theatre on Tuesday and Friday afternoons, or in cases of emergency at any time during the day or night when required. The theatre, which has recently been altered and enlarged, is capable of seating 600 students, and in the completeness of its arrangements is not excelled. The facilities afforded the students situated in all parts of the room for witnessing operations in all their details are unusually good.

IV. *Out-patient Clinics*:—The new addition to the Hospital for the accommodation of out-patients affords ample facilities for instruction in the important class of diseases which here pass under observation. A physician and a surgeon are in attendance daily, and instruction is given on the patients. The cases presenting themselves in the special departments of the Hospital devoted to diseases of the eye, ear, etc., are available in the same manner. There will also be an out-door clinic in gynæcology.

V. *Emergency Branch*:—In this department of the General Hospital an unlimited variety of recent injuries are utilised for purposes of clinical teaching, and small classes of students are from time to time permitted to avail themselves of the opportunities here afforded for instruction in this important department of surgery.

VI. *Pathology*:—

(a) *Autopsies*:—These are performed at stated hours by



the Professor, or the Demonstrator of Pathology. The examinations are conducted in a systematic way, and instruction on the morbid conditions found is imparted to the students. The bearings of the gross post-mortem appearances on the conditions previously found at the bedside are carefully investigated, and, when necessary, arrangements are made for further examination, microscopical and chemical. There are about 200 autopsies during the year. Recently the theatre in which autopsies are made has been completely remodelled and every facility is provided for conducting the examinations. The light is excellent and the room capable of accommodating 150 students.

(b) The examination and analysis of the various fluids, excreta and pathological products of patients in the wards, are conducted in the University hospital laboratory. Students are required to keep systematic records of the results obtained by these examinations.

(c) A series of lectures and demonstrations will be given by the Anæsthetist of the Hospital, H. C. Scadding, M.D., on the administration of anæsthetics. These lectures and demonstrations will be given to classes composed of a limited number of students. A fee of \$5 will be charged to each student who takes the course.

#### **Clinical Clerks and Surgical Dressers.**

Clinical clerks and surgical dressers are appointed to act for limited periods. They are required to take complete histories of cases allotted to them, and to receive certificates for the same, as required by the Ontario Medical Council. Post-mortem clerks are appointed, and are required to make complete reports of all autopsies made in the post-mortem room, which is situated in the Hospital grounds. Clinical clerks and surgical dressers are also appointed in the departments of gynæcology, ophthalmology, and otology.

#### **Resident Assistants in the Hospital.**

Five resident assistants are appointed annually from the graduates in medicine of the University, and hold their positions for one year. They will have full opportunities for

acquiring experience in the general and special wards of the Hospital, and during the session they will have charge under the physicians and surgeons in the general wards.

For the current year they are:—

P. W. SAUNDERS, B.A., M.B.

J. A. MCCOLLUM, M.B.

J. D. CHISHOLM, M.B.

A. B. RUTHERFORD, M.B.

R. H. MULLIN, B.A., M.B.

## Hospital for Sick Children.

The following members of the Faculty are members of the Hospital staff:—

### *Consulting.*

PROF. U. OGDEN, M.D.

PROF. J. THORBURN, M.D.

PROF. J. F. W. ROSS.

### *Physicians.*

PROF. A. MCPHEDRAN, M.B.

PROF. W. B. THISTLE, M.D.

PROF. H. T. MACHELL, M.B.

### *Surgeons.*

PROF. I. H. CAMERON, M.B.

PROF. G. A. PETERS, M.B.

PROF. A. PRIMROSE, M.B.

CLARENCE L. STARR, M.B.

### *Ophthalmology and Otology.*

PROF. R. A. REEVE, M.D.

PROF. J. M. MACCALLUM, M.D.

### *Rhinology and Laryngology.*

PROF. G. R. McDONAGH.

### *Physician to the Infectious Wards.*

R. D. RUDOLF, M.D., C.M.

### *Bacteriologist.*

PROF. J. J. MACKENZIE, B.A., M.B.

### *Out-door and Assistant.*

PROF. F. N. G. STARR, M.B.

PROF. B. SPENCER, M.D.

G. BOYD, M.B.

This large Hospital, with 160 beds, is entirely devoted to disease in children. In the clinics, cases exemplifying the various diseases in infancy and childhood will be exhibited. Abundant opportunities for a personal examination of all cases will be afforded.

Resident assistants are appointed annually from the graduates in medicine of the University, and hold their position for the year. The opportunity thus afforded for obtaining a practical knowledge of this very important department of medical practice is unsurpassed.

For the current year they are—Messrs. J. A. S. Graham, M.B.; A. B. Wright, M.B.

### St. Michael's Hospital.

This institution is conducted as a General Hospital; where medical, surgical and obstetrical cases are admitted. The number of patients admitted last year was about 1,500. The accommodation has recently been enlarged by the addition of a new wing, so that there are now 160 beds. An operating theatre has been provided, constructed with all the necessary modern equipment for the practice of antiseptic surgery.

Clinical instruction is given in this Hospital by those members of the staff who are also on the teaching staff of the University of Toronto. Opportunity is also provided for the study of Pathology. Post-mortem examinations are conducted systematically so that students may avail themselves of the material in this department. Clinical clerks and surgical dressers are appointed from the students in attendance at the Hospital.

Resident assistants are appointed annually from the graduates in medicine of the University of Toronto.

For the current year they are:—

F. J. COLLING, M.B.

F. J. DOHERTY, M.B.

C. S. WAINWRIGHT, M.B.

The following members of the Faculty are members of the staff of St. Michael's Hospital:—

#### *Physicians.*

PROF. A. MCPHEDRAN, M.D.

R. J. DWYER, M.B.

G. CHAMBERS, M.B.

#### *Surgeons.*

PROF. I. H. CAMERON, M.B.

PROF. W. OLDRIGHT, M.D.

PROF. A. PRIMROSE, M.B.

PROF. H. A. BRUCE, M.B.

PROF. J. AMYOT, M.B.

W. MACKEOWN, M.B.

*Gynaecologist.*

PROF. J. F. W. ROSS, M.B.

*Assistant Surgeon.*

PROF. H. W. AIKINS, M.B.

G. SILVERTHORN, M.B.

*Ophthalmology and Otology.*

PROF. J. M. MACCALLUM, M.D.

## Text Books.

*Anatomy*—Gray, \$7; Quain; Morris, \$6; Cunningham's Practical Anatomy, 2 vols., \$6; Ellis's Demonstrations of Anatomy, edited by Thane, \$3.75; Brodie's Atlas of Dissections, Illustrated, 4 vols., \$9.50; Anatomy and Physiology of the Nervous System, L. F. Barker, \$5. Deaver's Surgical Anatomy; Embryology, Heisler; Anatomy of the Nervous System, Edinger; a Text-book of Anatomy, edited by D. J. Cunningham.

*Physiology*—Foster, 4 vols., \$9, New American edition, 1 vol., \$5; Howell, American Text Book of Physiology, \$6; Waller, \$4; Stewart, \$3.75; Brodie, Essentials of Experimental Physiology, \$1.75; Text Book of Physiology, edited by E. A. Schafer, 2 vols., \$18; Huxley's Elements of Physiology (ed. 1900); Hall's Text Book of Physiology; Chapman's Physiology; Kirke's Physiology, edited by Halliburton (English edition), \$3; Schenck and Gurber's Outlines.

*Histology*—Schafer Practical Histology, \$2.25; Stohr's Text Book, edited by Schaper, \$3; Piersol, \$3.50; Böhm, v. Davidoff & Huber, Text Book of Histology, \$ ; Schäfer's Essentials of Histology, \$2; Langley, Practical Histology.

*Chemistry*—Remsen (inorganic), \$1.35; (organic), \$1.35. *Book of Reference*—Richter, Inorganic Chemistry, \$1.75.

*Pharmacology and Therapeutics*—Hare's Practical Therapeutics, \$4; Yeo's Clinical Therapeutics, 2 vols., \$5; Bruce, \$1.50; Hale White, \$2.50; Farquharson, \$2.50; Brunton, \$5.50; Heebner's Synopsis of B. P. Preparations, \$1.50; Cushny, Pharmacology, \$ ; Shoemaker, Mat. Med. and Therapeutics; Sollmann's Pharmacology.

*Surgery*—Erichsen, 2 vols., \$11; Moullin, \$6; Walsham, \$3; Treves' System, 2 vols., \$12; Treves' Surgical Operations, \$2; American Text Book of Surgery, \$7; Jacobson, the Operations of Surgery, \$9; Zuckerkandl's Atlas of Operative Surgery, \$3; Wharton's Bandaging and Minor Surgery, \$3; Kocher's Operative Surgery, translated by Stiles, \$3.50; Surgery, by American Authors, Roswell Park, \$9; White & Martin, on Genito-Urinary Diseases, \$6.50; Surgical Diagnosis and Treatment, Macdonald, \$5; Traumatic Injuries of the Brain,



Phelps, \$5; Fractures and Dislocations, Stimson, \$5; J. Clarke on Orthopædic Surgery, \$5; Fox's Atlas of Skin Diseases; Genito-Urinary Diseases, Lydston; International Clinics.

*Medicine*—Osler, \$5.50; Wood and Fitz, \$6; Fagge, 2 vols., \$12; Strumpell, \$6; Allbutt's System, 8 vols., \$44; Loomis' System, 4 vols., \$20; Tyson, \$5.50; Gowers, on Nervous System, \$7; Fowler & Godlee, Diseases of the Lungs, \$6; Dictionary of Treatment, Whitla, \$4; Cyclopedia of Practical Medicine, Sajous, \$30; Encyclopedia of Medicine, 12 vols., Anders, Thompson, Eichorst, Nothnagel.

*Clinical Medicine*—Gibson & Russell, \$2.50; Finlayson, \$2.50; Vierordt, \$4; Musser, \$6; Da Costa, \$6; Clinical Diagnosis, Simon, \$3.50; Hammeter, Diseases of the Stomach.

*Midwifery*—Jellett, \$3; Obstetrics, by American authors, edited by Jewett, \$6; American Text-book, edited by Norris, \$7; Lusk, \$5; Hirst, \$5; Galabin, \$4.

*Gynaecology*—Thomas & Munde, \$5; Galabin, \$2.25; Garrigues, \$4; Hart & Barbour, \$5; Pozzi, 2 vols., \$12; Allbutt & Playfair, a System of Gynæcology, \$6; Hermann, \$5; Kelly, Oper. Gynæcol., 2 vols., \$15; Cancer of the Uterus, Cullen; Dudley, \$5; Penrose, \$ ; C. A. L. Reed.

*Disease in Children*—Ashby & Wright, \$5; Eustace Smith, \$5; Holt, \$7; Rotch, \$6.50; Dawson Williams, \$3.50; Taylor & Wells, \$4.

*Pathology*—Ziegler, \$5; Payne, \$3.50; Green, \$2.50; Coates, \$6; Hamilton, 2 vols., \$16.25; Thoma. Surgical Pathology, J. Jackson Clarke, \$2.75; Bacteriology, Abbott, \$2.75; Stengel, \$4; Post Mortem Examinations, J. Caven, \$1; Practical Urinalysis, Purdy; American Text Book of Pathology.

*Medical Jurisprudence*—Taylor, \$4.50; Reese, \$3; McLane Hamilton, \$11; Witthaus & Becker, \$20.

*Hygiene*—Parkes & Kenwood, \$3; Egbert, \$2.25; Wilson, \$3; Bergey, \$3; Normal School Manual, 50 cents. For reference—Harrington's Practical Hygiene, \$4.25; Stevenson & Murphy, Vol. 1 and 2, \$12; DeChaumont's Parkes, \$4; Abbott's Hygiene of Transmissible Disease, \$2; Principles of Sanitary Science and Public Health, Sedgwick, \$3.

*Dermatology*—Jackson, \$2.75; Crocker, \$4.50; Robinson, \$5; American Text Book of Dermatology, \$7; Jamieson, \$6.

*Biology*—Parker, \$2.60; Huxley, \$2.60.

*Physics*—Gage's Principles of Physics, \$1.30.

*Ophthalmology*—Nettleship, \$2.25; Swanzy, \$3; Juler, \$5.50; de Schweinitz, \$4; Carter & Frost, \$2.25; J. Edward Jackson, \$2.50.

*Otology*—Pritchard's, \$1.50; Field, \$3.75; Buck, \$2; Roosa, \$5.25; Bacon's Manual of Otology, \$2.

*Mental Diseases*—Daniel Clark, \$1.25; Savage, \$2; Accident and Injury, Bailey, \$5.

*Laryngology*—Lennox Brown, \$8; Bosworth, \$4.50; Price Brown, \$3.50; Coakley, \$2.75.

### Fees.

|   |         |
|---|---------|
| Registration (payable once only) .....                    | \$ 5 00 |
| The tuition fees for the first year amount to .....       | 100 00  |
| The tuition fees for the second year amount to .....      | 100 00  |
| The tuition fees for the third year amount to .....       | 100 00  |
| The tuition fees for the fourth year amount to .....      | 100 00  |
| Biological laboratory supply fee in first year .....      | 1 50    |
| Biological laboratory supply fee in second year .....     | 2 75    |
| Physiological laboratory supply fee in second year ....   | 2 00    |
| Chemical laboratory supply fee in first and second years. | 3 00    |

The annual fee for instruction in medicine in each of the four years is \$100 if paid on or before November 1st of the session, or \$105 if paid in instalments. The first instalment of \$55 must be paid on or before November 1st, and the second instalment of \$50 on or before February 1st.

Students receiving instruction during the Fifth year are required to pay a fee of \$50. On the payment of this fee the student shall be permitted to attend all clinics and whatever didactic lectures he may desire: he shall also be permitted to take laboratory work on the payment of the laboratory fees.

But no student shall be admitted to any of the University laboratories or lecture-rooms until all the fees which may be due by him, for the session or term, have been paid.

Students who registered in the Faculty of Medicine before the year 1897 will be permitted to receive instruction in the University of Toronto on payment of the fees stipulated in the Calendar for the session 1896-97.

Students in the Fourth year will be required, in addition, to pay a fee of \$5 for the extra-mural class in Medical Psychology.

Fees connected with examinations and the granting of Degrees:—

|  |         |
|--|---------|
| For Matriculation or Registration of Matriculation.... | \$ 5 00 |
| For Annual Examinations (each).....                    | 10 00   |
| For Examination in Practical Chemistry.....            | 0 50    |
| For Admission <i>ad eundem statum</i> .....            | 10 00   |
| For the Degree of M.B.....                             | 20 00   |
| For the Degree of M.D.....                             | 20 00   |
| For Admission <i>ad eundem gradum</i> .....            | 20 00   |

The fee for examination and, in the case of candidates of the Fourth year, that for the degree, must be paid to the Bursar not later than April 15th.

Tickets of admission to any of the courses of lectures or practical instruction will be issued by the Registrar of the University on payment of the fees, and the attendance of the students at such courses must be certified by the professors, lecturers, demonstrators or instructors, before such tickets will be received by the Registrar as entitling the possessors to proceed to examination.

Matriculated students or graduates in the Faculty of Arts, who have attended during the Arts course any course of lectures or of practical instruction of the character and duration required by the curriculum in medicine, may obtain certified tickets for the same from the Registrar of the University in payment of the ordinary fee demanded from students in medicine.

Matriculated students or graduates in Arts in the department of Natural Sciences who are taking or have taken the Honour course in any subject in the Faculty of Arts which is or shall be held by the Senate equivalent to any of the subjects prescribed in the medical curriculum, may be permitted to take Practical Anatomy, on the payment of a fee of \$40; Anatomy, a course of lectures, \$20; Materia Medica, a course of lectures, \$15. Such students may also be permitted to present themselves for examination at the end of the session, provided they have duly registered as students in the Faculty of Medicine and possess the certificates required for the examination, as detailed in this Calendar.

Matriculated students or graduates in Arts in the department of Natural Sciences who have taken honours in any examination in the Faculty of Arts which is or shall be held by the Senate equivalent to any of the examinations prescribed in the medical curriculum, may obtain tickets for such qualifying classes attended by them without the payment of the corresponding fees.

Certificates of attendance on such lectures or demonstrations will only be given on the presentation of such tickets.

The Hospital fees—payable to the Hospital authorities—are as follows:—

|                                  |         |
|----------------------------------|---------|
| Perpetual ticket .....           | \$34 00 |
| Annual ticket .....              | 14 00   |
| Burnside Lying-in Hospital ..... | 8 00    |

### Undergraduate Scholarships.

The following scholarships are annually offered for competition amongst students who attend the Lectures of the University Medical Faculty:—

|                            |             |
|----------------------------|-------------|
| At First examination.....  | one of \$50 |
| At First examination.....  | one of \$30 |
| At Second examination..... | one of \$50 |
| At Second examination..... | one of \$30 |

Every student taking a scholarship is required to sign a declaration that it is his intention to pursue his medical studies for two or three years, according to the year in which he has taken such scholarship, and to proceed to a degree in the University of Toronto, and that he is not an undergraduate or graduate in the Faculty of Medicine of any other University.

No scholarship will be awarded to any candidate who has not obtained honours in the examination for which it is conferred.

Each scholarship is tenable for one year only, but a scholar of one year is eligible for the scholarship of a succeeding year.

The scholarships or medals are not open to those who are at the same time undergraduates or graduates in Medicine of another University.



No undergraduate in the Honour course, who shall have degraded into a lower year, shall be permitted at any ensuing examination to compete for medals or scholarships, except by special permission of the Faculty, to be granted only in case of illness or for other grave reasons.

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### **Medals, Prizes, and Certificates of Honour.**

A gold medal and three silver medals the gift of the Faculty are offered annually for competition among those students of the Medical Faculty who are honour candidates for the degree of M. B., and will be awarded by the Senate on the recommendation of the Examiners.

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### **Prize in the Department of Medical Psychology.**

Dr. Daniel Clark, Superintendent of the Asylum for the Insane at Toronto, and Professor of Mental Diseases in this University, has offered two prizes, the first prize to consist of \$30 and the second prize of \$20, for the purpose of stimulating the students in their work in the Department of Medical Psychology. The awards will be made to the candidates who pass the best examinations on the subject of Mental Diseases.

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| First Year.  |             |             |             |       |             |  |
|--|-------------|-------------|-------------|-------|-------------|--|
| MON.   | TUE.        | WED.        | THU.        | FRI.  | SAT.        |  |
| Elementary Biology and Physiology . . . . .            | 9           | 2           |             | 9     | 9-11        | { Mon. and Fri. lecture during Easter Term only.<br>Mich. Term.<br>Easter Term.  |
| Practical Biology . . . . .                            | 9-11        |             |             |       |             |  |
| Practical Chemistry . . . . .                          | 1-5         |             |             |       |             |  |
| Anatomy . . . . .                                      | 11          | 10          | 10          | 11    |             |  |
| Chemistry . . . . .                                    |             | 11          | 11          |       |             |  |
| Physics . . . . .                                      | 12          | 12          |             | 12    |             |  |
| Materia Medica . . . . .                               | 2           |             | 2           |       |             |  |
| Practical Anatomy . . . . .                            | 3-6         | 3-6         | 3-6         | 3-6   | 9-12        |  |
| Physiological Lectures and Demonstrations. . . . .     | 12          | 12          |             | 10    |             |  |
| Second Year.   |             |             |             |       |             |  |
| Histology . . . . .                                    |             |             |             | 2     |             |  |
| Embryology . . . . .                                   | 9           |             |             |       |             |  |
| Physiology . . . . .                                   | 10          | 11          | 11          | 12    |             |  |
| Physiological Demonstrations . . . . .                 |             |             |             |       | 9-1         |  |
| Anatomy . . . . .                                      | 11          | 12          |             | 11    |             |  |
| Practical Histology and Practical Physiology . . . . . | 9-11        | 9-11        | 9-11        | 9-11  |             |  |
| Chemistry . . . . .                                    | 12          |             | 12          |       |             |  |
| Practical Chemistry . . . . .                          |             | 1-4         |             |       |             |  |
| Materia Medica . . . . .                               | 2           |             | 2           |       |             |  |
| Practical Anatomy . . . . .                            | 3-6         | 1-6         | 3-6         | 3-6   | 10-12       |  |
| Third Year.  |             |             |             |       |             |  |
| Surgery . . . . .                                      | 8.30        | 8.30        |             |       |             | { Tues. lecture in Mich. Term only.<br>Fri. lecture in Easter Term only.<br>{ Sat. hours in Mich. Term only.<br>Tues. lecture during Easter Term only.<br>Fri. lecture during Mich. Term only. |
| Medicine . . . . .                                     | 9.30        | 9.30        |             | 8.30  | 9.30        |  |
| Obstetrics . . . . .                                   |             |             | 9.30        | 9.30  | 9.30        |  |
| Pathology . . . . .                                    | 10.30-11.30 | 11.30-12.30 | 11.30-12.30 | 11.30 |             |  |
| Therapeutics. . . . .                                  |             | 8.30        | 8.30        |       | 10.30-12.30 |  |
| Pathological Demonstrations. . . . .                   | 11.30-12.30 | 10.30-11.30 | 10.30-12.30 |       |             |  |
| Medical Jurisprudence . . . . .                        |             |             |             | 10.30 |             |  |
| Minor Surgery . . . . .                                |             | 9.30        |             | 9.30  |             |  |
| Disease in Children. . . . .                           |             | 11.30       |             |       |             |  |
| Practical Bacteriology . . . . .                       | 4.30        | 4.30        | 4.30        | 4.30  | 4.30        |  |

{ Mon. and Fri. lecture during Easter Term only.

Mich. Term.

Easter Term.

{ Tues. lecture in Mich. Term only.

{ Fri. lecture in Easter Term only.

{ Sat. hours in Mich. Term only.

{ Tues. lecture during Easter Term only.

{ Fri. lecture during Mich. Term only.

Time Table, Session 1902-1903.—Continued.

| Fourth Year.                                       |             |        |        |             |        |            |
|--|-------------|--------|--------|-------------|--------|------------|
|  | MON.        | TUE.   | WED.   | THU.        | FRI.   | SAT.       |
| Surgery .....                                      | 8.30        | .....  | 8.30   | .....       | .....  | .....      |
| Medicine .....                                     | 9.30        | .....  | 9.30   | .....       | .....  | .....      |
| Gynaecology .....                                  | .....       | 9.30   | .....  | 9.30        | .....  | .....      |
| Clinical Gynaecology (Special Class) .....         | .....       | .....  | 4.30   | .....       | .....  | 10.30      |
| Hygiene .....                                      | .....       | .....  | 10.30  | .....       | .....  | .....      |
| Topographical Anatomy .....                        | .....       | 8.30   | .....  | 8.30        | .....  | .....      |
| Pathology .....                                    | 10.30-12.30 | .....  | .....  | 11.30-12.30 | 11.30  | .....      |
| Pathological Demonstrations .....                  | .....       | .....  | 11.30  | .....       | 9.30   | 8.30-10.30 |
| Obstetrics .....                                   | .....       | .....  | .....  | .....       | 10.30  | .....      |
| Toxicology .....                                   | .....       | .....  | .....  | .....       | 8.30   | .....      |
| Ophthalmology and Otology .....                    | .....       | .....  | .....  | .....       | 8.30   | .....      |
| Laryngology .....                                  | .....       | .....  | .....  | .....       | 8.30   | .....      |
| Disease in Children .....                          | .....       | 11.30  | .....  | .....       | .....  | .....      |
| Demonstrations in Obstetrics (Special Class) ..... | 4.30        | .....  | .....  | .....       | .....  | 10.30      |
| Toronto General Hospital.                          |             |        |        |             |        |            |
| Outdoor Clinics (Third Year) .....                 | 1.30        | 1.30   | 1.30   | 1.30        | 1.30   | 1.30       |
| Clinical Laboratory .....                          | 1-2.30      | 1-2.30 | 1-2.30 | 1-2.30      | 1-2.30 | 1-2.30     |
| Gynaecological Clinic .....                        | 2.30        | .....  | .....  | 2.30        | .....  | .....      |
| Ward Clinics (Third and Fourth Year) .....         | 3           | 3      | 3      | 3           | 3      | .....      |
| Medical Clinic in Theatre .....                    | .....       | 10.30  | .....  | .....       | .....  | .....      |
| Surgical Clinic in Theatre .....                   | .....       | .....  | .....  | 10.30       | .....  | .....      |
| Surgical Clinics and Operations .....              | .....       | 2      | .....  | .....       | 2      | .....      |
| Eye and Ear Clinic .....                           | .....       | 3      | 3      | .....       | 3      | 3          |
| Throat and Nose Clinic .....                       | .....       | 3      | .....  | .....       | 3      | .....      |
| Skin Clinic .....                                  | 2           | .....  | .....  | .....       | .....  | .....      |
| St. Michael's Hospital.                            |             |        |        |             |        |            |
| Ward Clinics and Operations .....                  | 3           | 3      | 3      | 3           | 3      | .....      |
| Hospital for Sick Children.                        |             |        |        |             |        |            |
| Clinics .....                                      | 1.30        | 1.30   | 1.30   | 1.30        | 1.30   | 1.30       |
| Outdoor Clinic .....                               | 2.30        | 2.30   | 2.30   | 2.30        | 2.30   | 2.30       |

Easter Term only.  
Mich. Term only.

## **The University of Toronto Medical Society.**

This Society consists of the graduates and undergraduates enrolled in the Faculty of Medicine of the University of Toronto. It is under the patronage of the members of the Medical Faculty and its object is to deal with all matters pertaining to the general interest and welfare of the students, especially:—

(a) To encourage interest in general medical science and literature, and in the pursuit of medical studies.

(b) To provide a supply of periodicals and magazines for the reading rooms.

(c) To be a means of communication between the Student body and the Faculty or any other body, when such communication is desirable.

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## **University of Toronto Medical Students' Young Men's Christian Association.**

The association is divided into two sections; one for the Primary years, which meets in the building of the University Young Men's Christian Association; the other for the Final years, meets in the building of the Medical Faculty in Gerrard Street East.

The meetings are held weekly. The clergy and other prominent residents of the city frequently take part in the proceedings.

The objects of the association are to form a bond of union between medical students whose principles and aim in life are "Christian," and to render whatever practical assistance is possible to all medical students, especially those who are entering upon their medical studies. The Reception Committee of the association will be at the Union Station to meet and welcome all incoming students and to give any information and assistance that may be required. A list of suitable boarding houses will be available for the convenience of those who require it.



**REGULATIONS RELATING**  
TO THE  
**EXAMINATIONS AND GRANTING OF DEGREES**  
**IN MEDICINE.**

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**Degree of M. B.**

The Degree of M.B. is given to candidates who have matriculated and who have attended during four sessions of at least eight months each the course of instruction as required by this curriculum, and who have passed four examinations taken in the following order: the First at the end of the first session; the Second, at the end of the second session; the Third, at the end of the third session; and the Final, at the end of the fourth session.

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**Entrance.**

Candidates for a degree must pass the Matriculation examination, unless (1) they possess a degree in Arts not being an Honorary Degree, from any Dominion or British University; or (2) have already matriculated in the Faculty of Arts or in the Faculty of Law in this University; or (3) have been registered as Matriculates in the College of Physicians and Surgeons of Ontario.

Before presenting themselves for examination, candidates must produce satisfactory certificates of good conduct, and of having completed the sixteenth year of their age.

The ordinary Annual Matriculation examinations (both Pass and Honour) will commence in the beginning of July.

Supplemental examinations for Matriculation will be held in the latter part of September, at which those who were rejected at the July examinations, as well as new candidates, may offer themselves; but no honours or scholarships will be awarded at such Supplemental examinations.

The fee for the Junior Matriculation examination is five dollars, that is, two dollars for Part I., and five dollars for Part II., when taken separately, or five dollars for both parts taken at the same time, and must be paid when the application for the examination is made, according to the regulations issued by the Education Department, under whose superintendence this examination is now conducted. The fee for registration of exemption from the Matriculation examination is five dollars.

Candidates may delay Matriculation until any time before the Second examination for the degree of M.B.; but no candidate will be allowed to compete for relative standing, prizes or scholarships, until he has passed the Matriculation examination.

No fee will be charged for transferring from the Faculty of Arts to that of Medicine.

For subjects of examination at Junior Matriculation, Pass and Honour, see page 81.

## Regulations Relating to Undergraduates.

Undergraduates are required to attend lectures, and receive practical instruction during each of four years, at any of the schools of Medicine recognized for this purpose by the University.

The Senate may accept certificates of attendance at the lectures and in the laboratories of affiliated institutions other than Medical Schools.

They are required to present certificates of attendance on the various courses of lectures and practical instruction required for each examination.

The annual examinations are styled the First, Second, Third and Final examinations, and are to be passed at the end of the First, Second, Third and Fourth academic years respectively.

Undergraduates below the standing of the Fourth year, who have been rejected or who have been prevented from attending the annual examinations, by sickness, domestic affliction, or other causes beyond their control, may present themselves for examination at the Supplemental examinations in September. Candidates at any examination who have passed in the majority of the subjects required may present themselves at the Supplemental examinations next ensuing, in the subjects in which they failed, and upon passing at such examinations, shall be allowed their year. Undergraduates of the Fourth year who have failed in not more than three subjects may present themselves for examination in the said subjects at the Supplemental examinations in September. Candidates who failed to attend at the annual examinations, must prove to the satisfaction of the Senate before presenting themselves in September, the existence and sufficiency of the alleged cause of absence. Candidates who were rejected must pay a fee of ten dollars, and those who did not attend a fee also of ten dollars, before offering themselves for the Supplemental examination.

Graduates of this University in the Honour Department of Biological and Physical Science may enter at the beginning of the Third year and may postpone the examination in Materia Medica and Elementary Therapeutics until the third examination.

Graduates in Arts of the University may enter at the Second examination, but will be required to take such subjects of the First examination as they have not taken in their Arts course, though in these subjects they shall not be required to take an Honour standing. In the case of Undergraduates in Natural Sciences, certificates of attendance on the second course of Practical Anatomy and on the second course of fifty lecturers on Anatomy, may be presented with the certificates of attendance

on the lectures of the Third year. (For list of equivalent examinations, see page 237.

The fee for each examination is ten dollars, payable when the candidate notifies the Registrar of his intention to present himself.

Notice will be given annually, in January, of the days on which the examinations for the year will commence. Every undergraduate who proposes to present himself at an examination must send to the Registrar a statement (according to a printed form which will be furnished) of the course he is taking, whether he intends to compete for Honours, and such other particulars as the printed form may indicate, together with the original certificates referred to in this statement. The work of the students in the Hospital wards and Laboratories throughout the year will be considered in determining standing at the various University examinations.

Certificates are required for the different examinations as follows:

First examination—

Of having attended:

In Anatomy, a course of at least 50 lectures.

In Physiology, a course of at least 50 lectures and demonstrations.

In Inorganic Chemistry, a course of at least 50 lectures.

In Physics, a course of at least 25 lectures and demonstrations.

In Biology, a course of at least 40 lectures.

In Practical Chemistry, a course of at least 50 hours.

In Practical Biology, a course of at least 50 hours.

In Practical Anatomy, a course of instruction during six months.

Second examination—

Of having attended:

In Anatomy, a second course of at least 50 lectures.

In Physiology, a second course of at least 50 lectures and 50 demonstrations.

In Organic Chemistry, a course of at least 50 lectures.

In Materia Medica and Elementary Therapeutics, a course of at least 50 lectures.

In Embryology and Histology, a course of laboratory instruction of at least 50 hours.

In Practical Chemistry, a second course of laboratory instruction of at least 50 hours.

In Practical Anatomy, a second course of instruction during six months.

In Practical Pharmacy, a course of instruction during three months.

The results of the laboratory work in Physiology in the Second Year are taken into consideration in making up the standing of all students in that subject in the Class List. For those students who obtain their instruction in Physiology elsewhere, a practical examination in Physiology is held during the annual examination.

Third examination—

Of having attended:

In Medicine, a course of at least 50 lectures.

In Clinical Medicine, a course of at least 50 lectures.

In Surgery, a course of at least 50 lectures.

In Clinical Surgery, a course of at least 50 lectures.

In Pathology, a course of at least 50 lectures.

In Practical Pathology, a course of instruction of at least 50 hours.

In Physiological Obstetrics, a course of at least 50 lectures.

In Medical Jurisprudence and Toxicology, a course of at least 50 lectures.

In Materia Medica and Therapeutics, a course of at least 50 lectures.

Final examination—

1. Of having attended:

In Medicine, a course of at least 50 lectures.

In Clinical Medicine, a course of at least 50 lectures.

In Surgery, a course of at least 50 lectures.

In Clinical Surgery, a course of at least 50 lectures.

In Pathology, a course of at least 50 lectures.

In Practical Pathology, a course of instruction of at least 50 hours.

In Obstetrics, pathological, a course of at least 30 lectures.

In Gynæcology, a course of at least 50 lectures.

In Topographical Anatomy, a course of instruction of at least 50 hours.

In Hygiene, a course of at least 25 lectures.

In Medical Psychology, a course of at least 12 lectures.

In Ophthalmology, Otolaryngology and Rhinology a course of 25 didactic lectures and 25 clinics.

2. Of having conducted at least six labours.

3. Of proficiency in vaccination.

4. Of attendance for eighteen months in the wards of a public hospital having not less than 100 beds.

5. Of attendance for twelve months on the out-practice of a hospital, or dispensary, or with a registered practitioner.

6. Of having attended twelve autopsies.

(NOTE—In respect to 2 and 3, certificates will be received from any registered practitioner.)

## Subjects of the Different Examinations.

### FIRST EXAMINATION.

1. Physics.

2. Chemistry (Inorganic).

3. Biology.

### SECOND EXAMINATION.

1. Anatomy.

2. Physiology.



3. Embryology and Histology.
4. Materia Medica and Elementary Therapeutics.
5. Chemistry (Organic and Physiological).

## THIRD EXAMINATION.

1. Clinical Medicine.
2. Clinical Surgery.
3. Physiological Obstetrics.
4. Pathology.

The results of this examination will be considered in determining standing at the Final examination.

## FINAL EXAMINATION.

1. Medicine and Clinical Medicine.
2. Surgery and Clinical Surgery.
3. Obstetrics.
4. Pathology.
5. Therapeutics.
6. Gynæcology.
7. Medical Jurisprudence and Toxicology.
8. Hygiene.
9. Medical Psychology.
10. Topographical Anatomy.
11. Ophthalmology, Otology, Laryngology and Rhinology.

### Examinations for Honours.

Candidates taking seventy-five per cent. of the aggregate number of marks in the Pass and Honour papers of the First or Second examination, or of one or more of the groups of subjects in the Final examination will be placed in the Honour list.

Additional papers on all Pass subjects of an examination may be set for the Honour candidates.

The subjects of the Final examination are grouped for Honours as follows:

- |            |   |
|------------|---|
| Group I.   | <ol style="list-style-type: none"> <li>1. Medicine and Clinical Medicine.</li> <li>2. Pathology.</li> <li>3. Therapeutics.</li> </ol>           |
| Group II.  | <ol style="list-style-type: none"> <li>1. Surgery and Clinical Surgery.</li> <li>2. Pathology</li> <li>3. Topographical Anatomy.</li> </ol>     |
| Group III. | <ol style="list-style-type: none"> <li>1. Obstetrics.</li> <li>2. Gynæcology.</li> <li>3. Pathology.</li> </ol>                                 |
| Group IV.  | <ol style="list-style-type: none"> <li>1. Medical Jurisprudence and Toxicology.</li> <li>2. Hygiene.</li> <li>3. Medical Psychology.</li> </ol> |

Only those candidates will receive their Degree with Honours who have obtained Honours in the First, Second and Final examinations.

## Equivalent Examinations.

Courses of lectures and examinations in the Faculty of Arts are accepted in the place of courses of lectures and examinations in the Faculty of Medicine, according to the following scheme:—

| FACULTY OF ARTS.   | FACULTY OF MEDICINE.   |
|--|--|
| 1. Honour course and examination in Second Year Biology.   | course and examination in First Year Biology, and course in First Year Physiology.                       |
| 2. Honour course and examination in Second Year Chemistry, and Physics of the Honour course in Natural Sciences.   | course and examination in First Year Inorganic Chemistry and Physics.                                    |
| 3. Honour course and examination in Third Year Chemistry.  | course and examination in Second Year Chemistry (with the exception of Chemistry applied to Physiology). |
| 4. Honour course and examination in Fourth Year Biology.   | course and examination in Second Year Physiology and Embryology and Histology.                           |
| 5. Attendance at the Honour course and examination in the Fourth Year Physiological Chemistry, in the Faculty of Arts, is equivalent to attendance at the course and examination in Chemistry applied to Physiology of the Second Year in the Faculty of Medicine. |  |

N.B.—Candidates who desire to compete for scholarships and medals are required to submit to the annual examinations in all the subjects of each examination, though otherwise entitled to partial exemption according to the preceding scheme; and candidates not competing for scholarships or medals, who are entitled to exemption according to the preceding scheme, will hold the same rank in Honours in these subjects as they obtained in the equivalent examinations in Arts.

Students of the Fourth Year Natural Science course in Arts, who propose to offer themselves for the Second examination in Medicine, may defer the examination in Materia Medica to the Final examination.

### Degree of M.D.

Bachelors of Medicine of at least one year's standing, may obtain the degree of M.D. on the fulfilment of either of the following conditions:—

1. Having composed a thesis of approved merit on some scientific subject in the Department of Medicine, or
2. Having passed an examination in Clinical Medicine and Surgery\*, together with an examination in the History of Medicine. The text book is Baas' Outlines of the History of Medicine with special reference to Medicine amongst the Greeks and Romans, to the Alexandrine School of Medicine, to Arabic Medicine and to European Medicine in the Middle Ages.

\*The examination in these subjects is additional to that required for the degree of M.B.

### Admission ad Eundem Statum.

Undergraduates of other Universities applying for admission *ad eundem statum* must present certificates of having passed the examinations in the various subjects of this curriculum preliminary to the examination for which they desire to present themselves.

### Admission ad Eundem Gradum.

A graduate of any of the Universities in Great Britain or Ireland, if his degree be not an honorary one, may be admitted to the like degree in the University of Toronto. He must send in his certificate to the Registrar at least two weeks before the first meeting of the session of the Senate at which his application is to be brought forward.

### Fees for Degrees.

|   |         |
|---|---------|
| For the degree of M.B.....                  | \$20 00 |
| For the degree of M.D.....                  | 20 00   |
| For admission <i>ad eundem gradum</i> ..... | 20 00   |

The fee for the Bachelor's Degree must be paid to the Bursar not later than April 15th.

### The George Brown Memorial Scholarship in Medical Science.

Dr. A. H. F. Barbour, of Edinburgh, having placed a sum of money at the disposal of the University of Toronto, for the purpose of founding a Scholarship in Medical Science in memory of the late Hon. George Brown, the following regulations have been adopted with regard thereto:

This scholarship shall be called the George Brown Memorial Scholarship in Medical Science and shall be awarded annually at the convocation for conferring degrees in medicine to the Bachelor of Medicine who

shall have distinguished himself most during his Undergraduate course in the subjects of Anatomy, Biology, Physiology and Pathology.

The comparative value of the several subjects is to be estimated according to the following schedule:—

|                               |      |
|-------------------------------|------|
| 1st year—Biology .....        | 200  |
| 2nd year—Anatomy .....        | 300  |
| Physiology .....              | 300  |
| Embryology and Histology..... | 100  |
| 4th year—Pathology .....      | 300  |
| Total .....                   | 1200 |

The award shall be made by a committee composed of the Professors in these subjects, and of the Examiners for the time being therein, who shall report as to the successful candidates, after having given due attention to the results of the annual examinations, and to the character of the work done by the candidates in the University laboratories.

The holder of the scholarship during the year of tenure is required to engage in original research in any one of the laboratories of the University, on some subject bearing on the advancement of medical science—the laboratory providing the material for the investigation.

The scholarship is to be paid in two portions, two-thirds at the time of award and one-third six months later, on the holder giving a satisfactory report (to whomsoever the University may appoint) of the work he has already done.

A report of the research, when completed, is to be given to the University.

The value of the scholarship consists in the proceeds of one thousand pounds sterling, invested at the rate of interest secured by the University for such benefactions.

The scholarship is tenable for one year.

### The Reeve Scholarship in Medical Science.

Dr. R. A. Reeve has donated a sum of money to the University of Toronto for the purpose of providing a Scholarship of the value of \$250, to be awarded annually for four years. The Scholarship is designed to foster the spirit of original research and to promote the utilizing of the laboratories of the University for that purpose.

The conditions on which the Scholarship will be awarded are as follows:—

The Scholarship will be awarded to the candidate who shall have gained the highest standing at the Final Examination in Medicine in the University of Toronto in the following subjects:—

Medicine and Clinical Medicine.

Surgery and Clinical Surgery.

Obstetrics.

Pathology.



The candidate shall agree to devote himself during the next ensuing year, under the direction of the Medical Faculty, to research work in the Physiological or Pathological Laboratory of the University, and also to act as Laboratory Assistant.

A report of the research, when completed, is to be given to the University, whose property it shall become; and it shall be published at the discretion of the University Council.

The Scholarship is to be paid in two portions, one-half on October 1st and one-half on February 1st. A report of the work accomplished by the scholar must be furnished before the final payment. This report will be presented to the Faculty, and must be approved as representing satisfactory work done up to date before the final payment is made.

The winner of the George Brown Memorial Scholarship shall not be eligible.

The subjects shall be valued as follows:—

|                         | Marks. |
|-------------------------|--------|
| Medicine .....          | 200    |
| Clinical Medicine ..... | 200    |
| Surgery .....           | 200    |
| Clinical Surgery .....  | 200    |
| Obstetrics .....        | 200    |
| Pathology .....         | 200    |
| <hr/>                   |        |
| Total .....             | 1200   |

### The Starr Medals.

The late Richard Noble Starr, M.D., devised certain property for the encouragement of post-graduate study in Anatomy, Physiology and Pathology, and in fulfilment of this object one gold and two silver medals, called the "Starr Medals," are awarded annually to three candidates for the degree of M.D., who have shown by the theses which they have presented for that degree, that they have successfully pursued such study in any one of these subjects. The theses for which these medals are given must attain a standard approved of by the Board of Examiners, and the relative value of the theses will determine the rank of the candidates for the medals.

# MEDALLISTS.

## Medicine.

*g, gold medal; s, silver medal.*

| YR. |                        | YR. |                        | YR.  |                         |
|-----|------------------------|-----|------------------------|------|-------------------------|
| 58  | Oille, L. S., g.       |     | Hagel, S. D., s.       | 91   | Barthart, W. N., g.     |
|     | Aikins, M. H., s.      | 74  | Fraser, D. B., g.      |      | Bollen, P., s.          |
|     | Millar, T., s.         |     | Brown, O. C., s.       |      | Boyd, G., s.            |
| 59  | Barnhart, C. E., g.    |     | Farwell, A., s.        |      | McGorman, G., s.        |
|     | King, J., s.           |     | Cameron, I. H., s.     | 92   | Bruce, H. A., g.        |
|     | Francis, W. F., s.     |     | Shaw, G., s.           |      | Middlebro, T. H., s.    |
| 60  | Bascom, J., g.         |     | Fraser, D., s.         |      | Gowland, R. H., s.      |
|     | Playter, E., s.        | 75  | Britton, W., g.        |      | Brown, J. N. E., s.     |
|     | Tisdell, F. B., s.     |     | White, J., s.          | 93   | Harvie, J. N., g.       |
|     | Morton, E. D., s.      |     | Bennett, J. H., s.     |      | South, T. E., s.        |
|     | Ogden, W. W., s.       |     | Eakins, J. E., s.      |      | Elliott, W., s.         |
|     | Martyn, D. H., s.      | 76  | McPhedran, A., g.      |      | Futcher, T. B., } Æ. s. |
| 61  | Hudson, g.             |     | Lackner, H. G., s.     |      | Harvey, E. E., }        |
|     | Elliott, J. D., s.     |     | Bowerman, A. C., s.    | 94   | McCollum, W. J., g.     |
| 62  | Dolster, J., g.        |     | Wilson, W. J., s.      |      | Rutledge, H. N., s.     |
|     | DeGrassi, G. P., g.    | 77  | Stuart, W. T., g.      |      | Crain, W. E., s.        |
| 63  | Ramsay, W. F., g.      |     | Orr, R. B., s.         |      | Johnston, H. A., s.     |
| 64  | McLaughlin, J. W., g.  |     | Richards, N. D., s.    | 95   | Merritt, A. K., g.      |
| 65  | Burnham, E. L., g.     | 78  | Griffin, H. S., g.     |      | McKay, T. W. G.         |
|     | McCarthy, J. L. G., s. |     | Meek, H., s.           |      | McCrae, T., s.          |
|     | Kitchen, E. E., s.     |     | Bonnar, J. D., s.      |      | Hunter, A. J., s.       |
| 66  | Mickle, W. J., g.      |     | Kennedy, G. A., s.     | 96   | McCaig, A. S., g.       |
|     | McCullough, J., s.     |     | Gardiner, J. H., s.    |      | Roberts, E. L., g.      |
|     | Wadsworth, J. J., s.   | 79  | Burt, F., g.           |      | Graef, C., s.           |
| 67  | Sparks, T., s.         |     | Mills, R. P., s.       |      | Goldie, W., s.          |
|     | Palmer, R. N., s.      |     | Chappell, W. F., s.    |      | Macklin, A. H., s.      |
|     | Harbottle, R., s.      | 80  | Cross, W. J., g.       | 97   | Elliott, J. H., g.      |
|     | Eccles, F. R., s.      |     | Bryce, P. H., s.       |      | Hume, J. J. C., s.      |
|     | McFarlane, N., s.      |     | Ferguson, J., s.       |      | Nichol, R., s.          |
|     | Newton, J. H., s.      | 81  | Duncan, J. H., g.      |      | Yoemans, W. L., s.      |
| 68  | Brown, J. P., g.       | 82  | Wallace, R. R., g.     | 98   | McCrae, J., g.          |
|     | Hunt, R. H., s.        |     | Duncan, J. T., s.      |      | Sutherland, G. A., s.   |
|     | Howe, T. C., s.        | 83  | Robinson, W. J., g.    |      | White, W. C., s.        |
| 69  | Graham, J. E., g.      | 83  | Dolsen, F. J., g.      |      | Cahoon, F., s.          |
|     | Humble, C., s.         | 84  | Clerke, J. W., g.      | 99   | Wells, W., g.           |
|     | McCollum, J. H., s.    | 85  | Howell, J. H., g.      |      | Hargrave, H. G., s.     |
|     | Bentley, T. B., s.     |     | Carr, L., s.           |      | Piersol, W. H., s.      |
| 70  | Greenless, A., g.      | 85  | Saunders, M. R., s.    |      | Gow, J., s.             |
|     | Burgess, T. J. W., s.  |     | Hoople, H. N., s.      | 1900 | P. L. Scott } Æ. g.     |
|     | Smith, C. M., s.       | 86  | Peters, G. A., g.      |      | C. C. Bell }            |
|     | Standish, J., s.       |     | Noecker, C. T., g.     |      | G. W. Howland } Æ. s.   |
|     | Wagner, W. J., s.      |     | Johnston, D. R., s.    |      | D. G. Revell }          |
|     | Burt, W., s.           | 87  | Ego, A., g.            |      | E. D. Carder, s.        |
| 70  | Williams, A. D., s.    | 88  | Féré, G. A., g.        | 1901 | Clarkson, F. A., g.     |
| 71  | Forrest, W., g.        |     | Galloway, J., s.       |      | McIlwraith, D. G., s.   |
|     | Moore, C. Y., s.       | 89  | Chambers, G., g.       |      | Cleland, F. A., s.      |
|     | Henning, N. P., s.     |     | Collins, J. H., s.     | 1901 | Carswell, W. A., }      |
|     | Delamater, R. H., s.   |     | Godfrey, F. E., s.     |      | Cohoe, B. A., }         |
| 72  | Zimmerman, R., g.      | 90  | Barker, L. F., g.      |      | Roaf, H. E., }          |
|     | Crozier, J. B., s.     |     | Cullen, T. S., s.      |      | Saunders, P. W., }      |
| 73  | Close, J. A., g.       |     | Philp, W. H., s.       |      | Fletcher, G. W., s.     |
|     | Beeman, M. I., s.      |     | McFarlane, M. T., s.   |      | Moir, A., s.            |
|     | Wright, A. H., s.      |     | McGillivray, C. F., s. |      | Archer, A. E., s.       |

## Starr Medallists.

|    |                       |    |                     |    |                      |
|----|-----------------------|----|---------------------|----|----------------------|
| 67 | Palmer, R. N.         | 73 | Hagel, S. D., s.    | 80 | Cross, W. J., g.     |
| 68 | Hunt, R. H.           | 74 | Brown, O. C., g.    |    | Bryce, P. H., g.     |
|    | Brown, J. P.          |    | Farwell, A., s.     | 81 | Duncan, J. H., g.    |
|    | Cassidy, J. J.        |    | Campbell, A. J., s. | 82 | Wallace, R. R., g.   |
| 69 | Graham, J. E.         | 75 | Britton, W., g.     | 83 | Robinson, W. J., g.  |
| 70 | Burgess, T. J. W., g. |    | White, J., s.       | 86 | Peters, G. A., g.    |
|    | Greenless, A., s.     |    | Bennett, J. H., s.  | 89 | Collins, J. H., g.   |
|    | Wagner, W. J., s.     | 76 | Lackner, H. G., g.  |    | Chambers, G., s.     |
| 71 | Moore, C. Y., g.      |    | McPhedran, A., s.   | 90 | Barker, L. F., g.    |
|    | Henning, N. P., s.    |    | Bowerman, A. C., s. | 91 | Barnhardt, W. N., g. |
|    | Forrest, W., s.       | 77 | Stuart, W. T., g.   | 92 | Middlebro, T. H., g. |
| 72 | Zimmerman, R., g.     |    | Bonnar, H. A., g.   |    | Bruce, H. A., s.     |
|    | Crozier, J. B., s.    |    | Meek, H., s.        | 96 | McKay, T. W. G., M.B |
| 73 | Meldrum, N. W., g.    | 78 | Griffin, H. S., s.  |    | Rannie, J. A.        |
|    | Close, J. A., s.      | 79 | Burt, F., g.        | 99 | Hill, H. W.          |

## Winners of Faculty Medals and Scholarships for 1902.

### Medals.

|                                  |                 |       |
|----------------------------------|-----------------|-------|
| Faculty Gold Medal.....          | Roaf, H. E.     | } æg. |
|                                  | Saunders, P. W. |       |
| First Faculty Silver Medal.....  | Fletcher, G. W. |       |
| Second Faculty Silver Medal..... | Moir, A.        |       |
| Third Faculty Silver Medal.....  | Archer, A. E.   |       |

### Scholarships.

|                  |                  |
|------------------|------------------|
| First Year.....  | 1. Kinghorn, A.  |
|                  | 2. Walker, S. B. |
| Second Year..... | 1. Lemon, W. S.  |
|                  | 2. Clark, R. L.  |

### POST GRADUATE SCHOLARSHIPS.

#### THE REEVE SCHOLARSHIP IN MEDICAL SCIENCE.

A. Moir.

#### THE DANIEL CLARK PRIZE IN MEDICAL PSYCHOLOGY.

- |                    |                   |
|--------------------|-------------------|
| 1. Fletcher, G. W. | 2. Michell, W. R. |
|--------------------|-------------------|

#### THE GEORGE BROWN MEMORIAL SCHOLARSHIP IN MEDICAL SCIENCE.

For this Scholarship, Davey, J. E.; Fletcher, G. W.; Roaf, H. E.;  
Saunders, P. W.; Archer, A. E.; Moir, A., ranked in the order named.

## Students of the University Faculty who received the Degrees in Medicine at the Annual Examinations of 1902.

### *M.B.*

|                     |                   |                   |
|---------------------|-------------------|-------------------|
| Archer, A. E.       | Godfrey, J. E.    | Murdoch, A.       |
| Armstrong, G. H. L. | Graham, J. A. S.  | McBane, D.        |
| Atkin, G. M.        | Gunn, J. N.       | McCordie, H. N.   |
| Bell, W. J.         | Henderson, V. E.  | McEachran, A. D.  |
| Brown, A.           | Hoidge, E. T.     | Maclaurin, N. T.  |
| Campbell, J. L.     | Huffman, J. L.    | Roaf, H. E.       |
| Chambers, W. J.     | Irwin, J. R.      | Rutherford, R. W. |
| Dakin, W. S.        | James, E. P.      | Saunders, P. W.   |
| Davey, E. J.        | Kergin, W. T.     | Short, F.         |
| Draeseke, G. C.     | Klotz, O.         | Smith, D.         |
| Elliott, H. R.      | Logan, H.         | Snell, A. E.      |
| Esler, J.           | Michell, W. R.    | Stauffer, L. L.   |
| Fisher, A.          | Moir, A.          | Sullivan, H. J.   |
| Fletcher, G. W.     | Montgomery, C. H. | Wallace, W. T.    |
| Fraser, J. J.       | Montgomery, W. H. | Withrow, O. C.    |
| Fry, E. E.          | Mullin, R. H.     | Wright, A. B.     |

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# **CURRICULA AND REGULATIONS**

FOR DEGREES AND DIPLOMAS

**APPLIED SCIENCE,  
ENGINEERING,  
DENTISTRY,  
PHARMACY,  
AGRICULTURE,  
MUSIC,  
PEDAGOGY,  
COMMERCE,  
GYMNASTICS AND DRILL.**

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## CURRICULUM IN APPLIED SCIENCE.

### Degree of Bachelor of Applied Science.

Candidates who have fulfilled the requirements of the Fourth year in the School of Practical Science are eligible for the degree of Bachelor of Applied Science in the University of Toronto under the following conditions and regulations:—

1. Candidates for the said degree shall hold the diploma of the School of Practical Science in any one of the regular courses of the said school, or shall be of the standing of the Fourth year in the Honour department of Chemistry and Mineralogy in the University of Toronto.

2. They shall have fulfilled the conditions relating to the Fourth or post-graduate year in the School of Practical Science, and shall present certificates of having done so to the Registrar of the University. Honours may be granted with such certificates by the Faculty of the School.

3. Each candidate shall prepare a Thesis based on the results of his Fourth year work in the said School of Practical Science for the approval of the University examiners. This Thesis must be sent to the Registrar not later than the first day of May, and is to be accompanied by all necessary drawings, specifications, tables and estimates. To pass in it a candidate must obtain 50 per cent., and to take Honours 75 per cent., of the marks assigned.

4. Candidates will be required to select two sub-divisions in any one of the following groups, and to pass such written and oral examinations on the subjects selected as may be prescribed by the University examiners.

- A. { Astronomy.  
Geodesy and Metrology.
- B. { Architecture.  
Strength and Elasticity of Materials.  
Hydraulics.  
Thermodynamics and Theory of Heat Engines.  
Electricity and Magnetism.
- C. { Industrial Chemistry.  
Sanitary and Forensic Chemistry.  
Inorganic and Organic Chemistry.
- D. { Mineralogy and Geology.  
Metallurgy and Assaying.

The sub-division "Inorganic and Organic Chemistry" will be obligatory on all candidates who select group C.

To pass in each subject 33 per cent., and to take honours 66 per cent., of the marks assigned will be required.

5. The degree with honours will be conferred on candidates who obtain three out of the four honours possible.

Viz.—Certificate with honours.....(cl. 2.)

Thesis with honours .....(cl. 3.)

Honours in each subject of examination....(cl. 4.)

6. Candidates are required to send to the Registrar of the University at least three weeks before the commencement of the annual examination an application for examination according to a printed form to be obtained from the Registrar, and at the time of making such application a fee of ten dollars must be paid to the Bursar.

7. The examination for the degree shall be held in April.

8. The fee for the degree shall be ten dollars, and shall be paid to the Bursar not later than the first day of May.

9. The ordinary time for conferring the degree shall be at the University Commencement in June. The degree may be conferred at any meeting of the Senate.

10. The thesis, drawings and other papers accompanying them, shall be the property of the University.

11. In case any change be made in the conditions referred to in the second clause, such change shall be submitted to the Senate, and shall have no force, so far as the said clause is concerned, unless approved by resolution of the Senate.

## Degrees in Engineering.

By a Statute of the University of Toronto, passed in 1896, graduates of the School of Practical Science may be admitted to degrees in Engineering upon the following terms:—

I. That all previous Statutes of the University relating to degrees or diplomas in Engineering be repealed.

II. That the following degrees be hereby established, viz., Civil Engineer (C.E.), Mining Engineer (M.E.), Mechanical Engineer (M.E.), Electrical Engineer (E.E.).

III. That the following be the conditions and regulations governing the conferring of the said degrees:—

1. A candidate for one of the said degrees shall hold the Diploma of the School of Practical Science and the degree of Bachelor of Applied Science of the University of Toronto, except in the case provided for in clause 11 hereunder.

2. He shall have spent at least three years after receiving the degree of Bachelor of Applied Science in the actual practice of the branch of Engineering wherein he is a candidate for a degree.

3. Intervals of non-employment or of employment in other branches of Engineering shall not be included in the above three years. It shall not be necessary that the several periods requisite to make up the said three years be consecutive.

4. Satisfactory evidence shall be submitted to the University examiners as to the nature and length of the candidate's professional experience for the purposes of clauses 2 and 3.

The Examiners shall satisfy themselves by oral or written examinations in regard to the candidate's experience and competence.

5. The candidate shall prepare an original Thesis on some engineering subject in the branch in which he wishes a degree; the said Thesis to be accompanied by all necessary descriptions, details, drawings, bills of quantities, specifications and estimates.

The candidate may be required at the option of the Examiners to undergo an examination in the subject of this Thesis.

6. Notice in writing shall be sent to the Registrar not later than the first day of February, informing him of the degree to which the candidate wishes to proceed, and of the title of his proposed Thesis, for the approval of the Senate.

7. The evidence under clause 4, and the Thesis, with accompanying papers described in clause 5, shall be sent to the Registrar not later than the fifteenth day of April.

8. The candidate shall be required to present himself for examination in the month of May at such times as may be arranged by the Registrar.

9. The fee for any one of the said degrees shall be twenty dollars, and shall be paid to the Bursar not later than the first day of April.

10. The Thesis, drawings and other papers submitted under clause 7 shall become the property of the School of Practical Science.

11. Candidates who graduated from the School of Practical Science before June, 1895, shall not be required to hold the degree of Bachelor of Applied Science.

## CURRICULUM IN DENTISTRY.

### Degree of Doctor of Dental Surgery.

#### Matriculation.

Candidates for the degree of Doctor of Dental Surgery must pass the Matriculation examination hereinafter mentioned, unless

1. They possess a degree in Arts (not being an Honorary Degree), from some recognized University; or
2. Have already matriculated in the Faculty of Arts in this or some other University in Canada; or
3. Are Matriculants in the College of Physicians and Surgeons of Ontario; or
4. Have passed the Form III. or Form IV. Departmental Non-professional examinations in which the Latin option has been taken, it being understood that the equivalent examinations under titles no longer in force will be accepted.

Candidates not possessing any of the above named qualifications, will be required to pass the examination prescribed for matriculants in the Faculty of Medicine in this University, provided always that candidates registered as matriculants of the Royal College of Dental Surgeons of Ontario, shall be admitted matriculants in the Department of Dentistry.

#### Undergraduates.

Undergraduates (candidates for the degree) residents of the Province of Ontario, must have complied with all the requirements prescribed from time to time by the Board of Directors of the Royal College of Dental Surgeons of Ontario, for admission to examination for a certificate of license to practise Dentistry in Ontario.

Undergraduates (candidates for the degree), not resident in Ontario, must:

1. Have devoted at least three and one-half calendar years (not being engaged in any other business) to the study of Dentistry.
2. Must have attended at least three full courses of lectures, embracing all the subjects of the curriculum, of not less than five months each (exclusive of the time occupied in examination), and including the daily clinic at a dental school recognized by this University; the last of which must be at the School of Dentistry of the Royal College of Dental Surgeons of Ontario.
3. Must have spent that portion of time, when not in attendance at lectures and clinics at the School of Dentistry, as students in the office of an approved dentist.



### Examinations.

Candidates for the degree must pass two examinations, an intermediate and a final, an interval of not less than one year intervening between them. Until further provision be made, a certificate of having passed the intermediate examination of the Royal College of Dental Surgeons of Ontario will be accepted by this University.

Candidates for the final examination, which will be held at a time fixed by the Committee on Examinations, must present to the Registrar satisfactory certificates, covering all the requirements relating to undergraduates as given above, and of having passed the intermediate examination. The subjects for intermediate examination shall be:—

- (a) Comparative Dental Anatomy.
- (b) General Histology.
- (c) Bacteriology.
- (d) Theory of Operative Dentistry.
- (e) Theory of Dental Prosthetics.
- (f) Dental Technique.
- (g) Dental Materia Medica and Therapeutics.
- (h) Principles and Practice of Medicine and Surgery as applied in Dentistry.
- (i) Anatomy.
- (k) Physiology.
- (l) Chemistry.

The subjects for final examination shall be:—

- (a) Theory and Practice of Operative Dentistry.
- (b) Theory and Practice of Dental Prosthetics.
- (c) Dental Pathology.
- (d) Dental Histology.
- (e) Principles and Practice of Medicine and Surgery as Applied in Dentistry.
- (f) Dental Materia Medica and Therapeutics.
- (g) General Anatomy and special Anatomy of Head and Neck.
- (h) Physiology.
- (k) Chemistry.
- (l) Jurisprudence.

(These Examinations will be written.)

- (m) Orthodontia.
- (o) Practical Operative Dentistry.
- (p) Practical Prosthetic Dentistry.

Candidates shall be examined in practical work from time to time, during the session of the Royal College of Dental Surgeons, on completion of the required work in the Infirmary and Laboratory of the College.

Candidates may take the final examination in Anatomy, Chemistry and Orthodontia, at the close of the Second college year, on payment of a fee of three dollars.

Supplemental examinations will be conducted under the joint auspices of the University and the Royal College of Dental Surgeons in October.

No candidate shall be considered as having passed the examination who has not obtained 60 per cent. of the marks allotted; nor shall a candidate be considered as having passed in any subject who has not obtained at least 40 per cent. of the marks allotted to such subject.

### Equivalent Examinations.

Examinations in the Faculty of Arts in the Department of Natural Science, Division 1, are accepted in lieu of examinations for the degree of Doctor of Dental Surgery, as follows:—

(a) Physiology and Chemistry of the Second year for the Physiology and Chemistry of the intermediate examination.

(b) Histology of the Fourth year for the General Histology and Bacteriology of the intermediate examination.

(c) Chemistry of the Third year and Physiology of the Fourth year for Chemistry and Physiology of the final examination.

### Fees.

The fee for matriculation shall be five dollars.

The fee for registration of a certificate accepted in lieu of said examination shall be five dollars.

The fee for final examination shall be ten dollars.

The fee for supplemental examination in any one or more of the final subjects, which may be taken at the close of the second year, shall be five dollars.

The fee for supplemental examination in one or more of the other final subjects shall be ten dollars.

The fee for the degree of D.D.S. shall be fifteen dollars.

No fee shall be charged for transference from any Faculty of the University to the Department of Dentistry.

The fee for admission *ad eundem gradum* shall be twenty dollars.

## CURRICULUM IN PHARMACY.

### Degree of Bachelor of Pharmacy.

#### Matriculation.

Candidates for the degree of Bachelor of Pharmacy must either:—

1. Possess a degree in Arts (not an Honorary degree) from some recognized University; or
2. Having already matriculated in the Faculty of Arts, or the Faculty of Law, or the Faculty of Medicine in this or some other University in Canada; or
3. Be matriculants in the College of Physicians and Surgeons of Ontario; or
4. Have passed the Primary or the Junior or Senior Leaving examinations of the Education Department of Ontario in which Latin has been taken.

Provided always that all candidates registered as apprentices of the Ontario College of Pharmacy, or who have received the diploma of the College of Pharmacy up to the first day of July, A.D. 1898, shall be admitted as matriculants in the Department of Pharmacy on payment of the registration fee of five dollars.

#### Regulations.

Undergraduates (candidates for the degree), resident in the Province of Ontario must have complied with all the requirements prescribed from time to time by the Council of the Ontario College of Pharmacy for admission to examination for a diploma licensing to practice Pharmacy in Ontario, and must have received from the Registrar of the Ontario College of Pharmacy a certificate of having passed the Final examination of that College.

Candidates for the degree, not resident in Ontario, must have devoted at least four years (not being engaged in any other business) to the study of Pharmacy, being apprenticed during that time to a regularly qualified Pharmaceutical Chemist; must have attended the full courses of lectures, embracing all the subjects of the curriculum, the length of each course being not less than that required from time to time by the Council of the Ontario College of Pharmacy, and including practical work at some College of Pharmacy recognized by this University; the last of which courses must be at the Ontario College of Pharmacy.

All candidates who have, prior to August 15th, 1892, received the diploma of the Ontario College of Pharmacy shall not be required to conform to the above, but shall be allowed their degree on passing the examination on the subjects hereinafter given.

### Examinations.

Candidates for the degree must pass an examination to be held in the month of May of each year—hour and date of commencing to be hereafter given—must present to the Registrar satisfactory certificates covering all the requirements relating to undergraduates as given above, and of having passed the final examination of the Ontario College of Pharmacy.

The subjects of the examination shall be as follows:

1. Botany and Microscopy.
2. Theory and Practice of Chemistry and Toxicology.
3. Materia Medica, including Posology and Pharmacognosy.
4. Theory and Practice of Pharmacy, including Interpretation of Prescriptions and Dispensing.

These examinations shall be partly written, partly oral and partly practical.

No candidate shall be considered as having passed the examination who has not obtained fifty per cent. of the marks allotted; nor shall a candidate be considered as having passed in any subject who has not obtained at least forty per cent. of the marks allotted to such subject.

### Fees.

|  |         |
|--|---------|
| For matriculation or registration of matriculation.. | \$ 5 00 |
| For annual examination (each).....                   | 10 00   |
| For each practical examination.....                  | 0 50    |
| For the degree Phm.B.....                            | 10 00   |

No fee shall be charged for transference from any faculty of this University to the Department of Pharmacy.



## CURRICULUM IN AGRICULTURE.

The course for the degree of Bachelor of the Science of Agriculture extends over a period of four years.

The work of the first two years is embraced in the course prescribed for the Associate Diploma of the Ontario Agricultural College (see College circular); and the work outlined below proceeds from the Associate standing and extends over a period of two years.

### Admission to Third Year Standing.

An Associate of the Ontario Agricultural College is admitted to Third year standing and allowed to proceed with the work of the Third and Fourth years, provided:—

1. He has taken rank in his Associate course satisfactory to the College Staff.

2. He passes examinations on the following subjects:—

ALGEBRA: Through quadratics.

EUCLID: Books 1, 2 and 3.

MENSURATION.

A graduate or undergraduate in Arts or Science of any reputable University, having had the necessary training in farm work, may proceed to the degree, upon presenting satisfactory certificates of standing and passing examinations on those Associate subjects not covered by his certificates.

The work done previously by such a candidate will be accepted *pro tanto* for any part of the work prescribed for the degree.

### Examinations and Degrees.

All Third year examinations are conducted by the College; also the Fourth year examinations in French and German. The Final, or Fourth year, examinations in English and on all the Special, or Honour, Courses are conducted by the University of Toronto.

The B. S. A. degree is granted by the University of Toronto.

### General Course.

All candidates for the degree are required to take this course.

With the exception of English, French and German, the subjects in the General Course are concluded in the Third year. The work in the languages extends through the two years.

### Agriculture.

General Field Agriculture. Text-book—Fertility of the Land (Roberts).

### Chemistry.

1. Inorganic. 2. Organic. 3. Agricultural and laboratory work, as outlined in sections 1 (*b*), 3, 4 (*a*) in the Chemistry division of the option of Chemistry and Physics.

### Geology.

1. LECTURES: A general review of the subject, referring particularly to the geology of Canada; the economic products; the formation of soils; and the action of various dynamic agencies.

2. MUSEUM STUDIES: Identification of the common minerals, rocks and fossils.

### Botany.

1. SYSTEMATIC: Lectures and laboratory work on the chief orders of flowering plants, including grasses; collecting and mounting ten species of grasses, fifty species of weeds, and twenty-five species of weed seeds.

2. PHYSIOLOGICAL: A study of the vital activities of the plant—absorption, circulation, assimilation, metabolism and transpiration; plants in relation to their surroundings.

### Hygiene.

PERSONAL HYGIENE: Age, sex, temperament, habits and hereditary tendencies.

FOODS AND DRINKS: Preservation of food, adulterations, and diseases produced by bad food.

Epidemic diseases and diseases of animals in relation to the health of man.

DISINFECTANTS: Various kinds and methods of disinfection.

HEATING AND LIGHTING: Materials and methods; effects on the air.

VENTILATION: Principles of.

WATER SUPPLY: Sources, collection, distribution, storage and purification.

DRAINAGE AND SEWERAGE: Dry earth and conservancy systems.

### Optics.

Lectures on light, including a study of the polariscope, microscope, telescope and sextant.

### English Literature and Composition.

#### THIRD YEAR.

1. Writing of Essays on subjects assigned.

2. SHAKESPEARE: Macbeth.

3. MILTON: L'Allegre and Penseroso.

4. Selections from Eighteenth Century Poets (Ward), Vol. 3, as follows:—

GREY: Elegy written in a Country Churchyard.

GOLDSMITH: The Deserted Village.

BURNS: To a Mouse, The Cotter's Saturday Night, A Bard's Epitaph, To Mary in Heaven, and A Man's a Man for a' That.

#### FOURTH YEAR.

1. MILTON: Lycidas.

2. Nineteenth Century Poets:—

WORDSWORTH: Tintern Abbey, The Solitary Reaper, and Intimations of Immortality.

BYRON: The Ocean, The Isles of Greece, and She Walks in Beauty.

SHELLEY: Adonais.

BROWNING: Prospice, and the Lost Leader.

TENNYSON: Locksley Hall, The Passing of Arthur, and In Memoriam.

3. The History of English Literature (Pancoast).

#### French and German.

Grammar, prescribed texts, and easy translation at sight.

### Special Courses.

Every candidate for the degree is required to take one of the following Special Courses, in addition to the General Course outlined above:—

#### I. Agriculture.

Students intending to take this course must present a certificate of having spent two years at practical work with a good farmer, and submit to a practical test at the discretion of the Professor of Agriculture.

##### MAJORS:

1. GENERAL FIELD AGRICULTURE: Text-books.—The Fertility of the Land (Roberts) and Agriculture (Storer).

2. Cattle, Sheep, Swine, Horses—Characteristics of the principal breeds; lectures and practical work in judging.

3. POULTRY: Feeding and management.

4. Principles and Practice of Stock-breeding. Text-book—Stock-breeding (Miles).

5. Feeding and Management of Live Stock. Text-book—Feeds and Feeding (Henry).

##### MINORS:

1. Botany, sections 1 and 5 (a) and (c) in the option of Biology.

2. Entomology, sections 1 and 2 in the option of Biology.

3. Bacteriology, sections 1, 2, 3 and 8 in the option of Bacteriology.

4. Forestry, section 5 in the option of Horticulture.

5. Chemistry, sections 3, 6 and 7 in the option of Chemistry and Physics.

6. Physics, sections 2, 3, 4, 5 and 7 in the option of Chemistry and Physics.

## II. Dairying.

### MAJORS:

1. DAIRY PRACTICE: A factory course previous to entering on the senior year; a full Dairy School course during the senior year; additional lectures and practical work in dairying.

2. Bacteriology, sections 1, 2, 3, and 7 in the option of Bacteriology.

### MINORS:

1. Live stock, sections 2 (omitting sheep and horses), 3, 4, and 5 in the option of Agriculture.

2. Chemistry, sections 3, 6, and 8 in the option of Chemistry and Physics.

3. Physics, sections 2, 3, 4, 6, 7 and 8 in the option of Chemistry and Physics.

## III. Horticulture.

Students intending to take this course must present a certificate of having spent at least one year at practical work with a good fruit grower, market gardener, or florist, and a recommendation from the College Horticulturist as to ability and proficiency in the practice of horticulture during the first two years of his College course.

### MAJORS:

1. FRUIT GROWING: Theory and practice in connection with the growing and management of Canadian fruits.

2. VEGETABLE GARDENING: Theory and practice in the production and handling of vegetable crops.

3. FLORICULTURE: Care and management of plants in flower beds and borders, and in the window garden.

4. LANDSCAPE GARDENING: A study of the principles and methods involved in beautifying private and public grounds.

5. FORESTRY: The importance of forests, the forestry question in Ontario, methods of re-foresting, and the management of timber lands.

TEXT-BOOKS: The Principles of Fruit Growing (Bailey); The Vegetable Garden (Green); Flowers, and How to Grow Them (Rexford).

### MINORS:

1. Botany, sections 1, 2, 3, 4, 5 (a) and (b) in the option of Biology.

2. Entomology, sections 1 and 2 in the option of Biology.

3. Chemistry, sections 3, 6, and 7 in the option of Chemistry and Physics.

4. Physics, sections 2, 4, 5 and 7 in the option of Chemistry and Physics.

## IV. Biology.

### Botany.

### MAJORS:

1. SYSTEMATIC: Lectures and laboratory work on the chief orders of flowering plants, including grasses. A mounted collection of 100 plants, and 25 specimens of weed seeds.



2. **STRUCTURAL:** Lectures and laboratory work on the organs of the plant.
3. **PHYSIOLOGY:** A laboratory course in which each student determines for himself the life processes of plants.
4. **HISTOLOGICAL:** Mounting, examining and drawing vegetable cells and tissues.
5. **FUNGI AND PLANT PATHOLOGY:** (a) laboratory course with occasional lectures in which are studied the injurious fungi affecting orchard, garden, greenhouse and farm crops; (b) a collection of 25 injurious fungi; (c) occasional excursions for collecting field fungi.
6. **CRYPTOGAMIC:** A laboratory study of the chief types covering the Thallophytes, Bryophytes and Pteridophytes.

### Entomology.

1. **SYSTEMATIC:** A laboratory course in the identification and classification of insects. Students to make their own collections.
2. **ECONOMIC:** A special study of injurious and beneficial insects. The life-histories of many species to be worked out in the insectary.

### Zoology.

1. **INVERTEBRATE:** A laboratory course with lectures on the chief types.
2. **VERTEBRATE:** A laboratory course with lectures on the chief types.
3. **HISTOLOGY—METHODS:** Inbedding, cutting, mounting, and study of specimens.
4. **PHYSIOLOGY:** A lecture course in connection with the dissection of the types.

**TEXT-BOOKS:** Gray's Manual of Botany; McDougall's Experimental Physiology; Vines' Students' Text-book; Huxley and Martin's Biology; Parker's Zootomy; and Comstock's Manual for the Study of Insects.

#### MINORS:

1. Bacteriology, sections 1, 2, and 3 in the option of Bacteriology.
2. Chemistry, section 7 in the option of Chemistry and Physics.

## V. Bacteriology.

#### MAJORS:

1. **MICROSCOPICAL METHODS:** Examination of living bacteria, aniline dyes, special staining methods, preparation of morbid specimens, embedding, microtomes and section cutting.
2. **CULTIVATION METHODS:** Principles of sterilization, apparatus, preparation of culture media, and plate and test tube cultivations.
3. **BIOLOGY OF BACTERIA:** Chemical composition, nutrition, form, classification, circumstances affecting growth, products of growth, chromogenic, zymogenic, septic and pathogenic bacteria. Toxines and antitoxines, immunity, attenuation of virus, protective inoculation, serum and therapy.

4. **INFECTIVE DISEASES:** Disinfectants and antiseptics; anthrax—symptomatic anthrax, and malignant oedema; tuberculosis; glanders; typhoid fever; swine fever; cholera; hog cholera; chicken cholera; tetanus; rabies; diphtheria; cow pox; smallpox; actinomycosis; influenza; plague, etc.

5. Examination of air, water, soil and foods.

6. **THE BIOLOGY OF YEASTS:** Organized and unorganized ferments; high and low fermentation; impure yeasts; diseases of wine and beer; nitrification; technical mycology.

7. **DAIRY BACTERIOLOGY:** The relation of bacteria to dairying; the fermentations of milk; pure culture system in butter-making; pasteurization and strilization; the bacteriological analysis of dairy products.

8. **AGRICULTURAL BACTERIOLOGY:** The relation of bacteria to agriculture.

**MINORS:**

1. Zoology, sections 1, 2, 3, and 4 in the option of Biology.

2. Botany, section 6 in the option of Biology.

## VI. Chemistry and Physics.

**MAJOR:**

1. **INORGANIC CHEMISTRY:** Course of lectures, with experiments.

2. **ORGANIC CHEMISTRY:** (a) Preparation of organic compounds; (b) lectures.

3. **AGRICULTURAL CHEMISTRY:** The constituents of plants; germination; plant development; functions of leaves and roots; composition of the atmosphere and the soil; soils in relation to cultivation and plant growth; nitrification; farm-yard and artificial manures; application of manures; manurial constituents in crops; composition of cereals, legumes and roots; rotations; crop residues; composition of the animal body and fodders; resorption; circulation; respiration; digestibility and nutritive value of fodders; formation of flesh and fat; feeding for work, maintenance, fat, milk and growth; feeding standards; rations; albuminoid or nutritive ratio; recent investigations.

4. **LABORATORY WORK:—**

(a) Qualitative analysis.

(b) Gravimetric analysis.

(c) Volumetric analysis.

(d) Vapor density and boiling point determinations.

(e) Method of organic analysis.

5. Polariscopes and sugar determinations.

6. Analysis of water, soils, manures, fodders, dairy products, etc.

7. **CHEMISTRY OF INSECTICIDES AND FUNGICIDES:** Preparation of white arsenic, arsenites, arsenates, ammonia, copper sulphate, oxide and hydride of lime, copper carbonate, sodium carbonate, potassium sulphide and acetate of copper; physical and chemical properties of the sub-

stances used in the preparation of insecticides and fungicides; the preparation of insecticides and fungicides and the examination of their physical and chemical properties.

8. DAIRY CHEMISTRY: Composition of milk, butter, cheese and whey; determinations of specific gravity of milk; determinations of total solids, moisture, ash, fat, casein, albumen and sugar in milk, butter, cheese and whey; milk adulterants; determination of the melting point of butter; distinction between butter and oleomargarine; recent investigations and results.

TEXT-BOOKS: Agricultural Chemistry (Warrington); Inorganic Chemistry (Remsen's Advanced Course); Organic Chemistry (Remsen); Organic Preparations (Gatterman); Testing Milk and its Products (Farrington and Woll).

Specialists in Chemistry and Physics must take sections 1, 2, 3, 4, 5 and 6.

### Physics.

1. HEAT, LIGHT AND ELECTRICITY: Practical work in electricity and electrical machinery.

2. THERMOMETRY AND CALORIMETRY: Latent heat of fusion and evaporation; specific heat of solids and liquids; vapor pressure; etc.

3. Physics of heat engines, with special reference to the theory and working of the steam engine.

4. METEOROLOGY: Taking and recording observations with the instruments; laboratory determinations of meteorological conditions.

5. SOIL AND PLANT PHYSICS: Capillarity, osmosis, diffusion, surface tension, and the analysis and examination of typical soils.

6. MECHANICAL REFRIGERATION: Principles and methods.

7. Ventilation and heating.

8. DAIRY PHYSICS: The physical properties of milk and its products.

TEXT-BOOKS: Heat (Glazebrook); Elementary Meteorology (Davis).

*Notes regarding Special courses. In all Special courses:—*

1. A record of each student's practical work throughout the course will be kept.

2. A record of each student's reading, as tested from time to time, will also be kept.

3. Practical, as well as written, examinations will be held whenever such examinations are practicable.

4. Each student is required to prepare a Thesis on some branch or department of the work in his special course. The subject is to be chosen by the end of the Third year, and submitted for the approval of the Staff. The Thesis must be based chiefly on original investigation, and the work be done in the Fourth year. It must be typewritten on letter-size paper, and handed to the committee of adjudication on or before the first of April.

## CURRICULUM IN MUSIC.

### Degree of Bachelor of Music.

The Degree of Bachelor of Music (Mus. Bac.) will be conferred by the University of Toronto upon students of Music, on compliance with the requirements of the curriculum in Music which may from time to time be prescribed by the Senate.

### Matriculation.

The candidate for the degree of Bachelor of Music must pass the following examination of the University for a certificate of proficiency in general education:—

#### 1. ENGLISH.

**ENGLISH GRAMMAR:** The main facts in the development of the language. Etymology and Syntax, including the logical structure of the sentence and the inflection, classification and elementary analysis of words.

**COMPOSITION:** An essay to which special importance will be attached, on one of several themes set by the examiners. In order to pass in this subject, legible writing, correct spelling and punctuation, and proper construction of sentences are indispensable. The candidate should also give attention to the structure of the whole essay, the effective ordering of the thought, and the accurate employment of a good English vocabulary. About two pages of foolscap is suggested as the proper length for the essay; but quality, not quantity, will be mainly regarded.

**LITERATURE:** Such questions only shall be set as may serve to test the candidate's familiarity with, and intelligent appreciative comprehension of, the prescribed texts. The candidate will be expected to have memorized some of the finest passages. In addition to the questions on the prescribed selections, others shall be set on a "sight passage" to test the candidate's ability to interpret literature for himself.

1903: COLERIDGE: The Ancient Mariner. WORDSWORTH, Michael, Influence of Natural Objects, Nutting, Expostulation and Reply, The Tables Turned, The Solitary Reaper, Ode to Duty, Elegiac Stanzas, To Rev. Dr. Wordsworth, "She was a Phantom of Delight," To the Cuckoo, The Green Linnet, "Bright flower whose home," To a Skylark (Ethereal minstrel), Reverie of Poor Susan, To My Sister, "Three years she grew," September, 1819, Upon the Same Occasion.



The following twelve sonnets: "Two voices are there," "Scorn not the Sonnet," "A flock of sheep that leisurely," "Earth hath not anything," "It is not to be thought of," "Fair Star of Evening," "O friend! I know not," "Milton! thou should'st," "When I have borne in memory," "Brook! whose society," "Tax not the saint," "They dreamt not of a perishable home."

SHAKESPEARE: Merchant of Venice.

1904. TENNYSON: Lady of Shalott, Lotus Eaters, *Enone*. The Epic and Morte d'Arthur, Ulysses, "You ask me why," "Of old sat Freedom," "Love thou thy land," St. Agnes' Eve, "Break, break, break," Sir Galahad, "Tears, idle tears," and the six interlude songs from The Princess, The Brook, Ode on the Duke of Wellington, Charge of the Light Brigade.

SHAKESPEARE: Julius Cæsar.

1905: LONGFELLOW: Evangeline, "The day is done," The Old Clock on the Stairs, The Fire of Driftwood, Resignation, The Warden of the Cinque Ports, The Bridge, A Glean of Sunshine.

WORDSWORTH: "Three years she grew in sun and shade," "She was a phantom of delight," "There is a flower, the Lesser Celandine," To the Skylark, The Green Linnet, To the Cuckoo, To the Daisy.

SHAKESPEARE: Macbeth.

## II. ARITHMETIC.

ARITHMETIC: Elementary Rules, Fractions (Vulgar and Decimal), Interest, Discount, and easy problems in Stocks. Special importance will be attached to accuracy and neatness.

## III. One of the following languages:—

### 1. GREEK.

Translation into English of passages from prescribed texts.

Translation at sight (with the aid of vocabularies) of easy Attic prose, to which special importance will be attached.

Grammatical questions on the passages from prescribed texts will be set, and such other questions as arise naturally from the context.

Translation from English into Greek of sentences and of easy narrative passages based upon the prescribed prose texts.

The following are the prescribed texts:—

1903: Selections from XENOPHON, *Anabasis* I., in White's Beginner's Greek Book (pp. 304-428), with the exercises thereon; HOMER, *Iliad* VI.

1904 and 1905: Selections from XENOPHON, *Anabasis* I., in White's Beginner's Greek Book (pp. 304-428), with the exercises thereon; HOMER, *Iliad* I.

Two papers will be set: (1) Prescribed texts and translation at sight; questions on Grammar; (2) the translation of English into Greek.

## 2. LATIN.

Translation into Latin of English phrases and easy sentences to illustrate Latin accident and the common rules of Latin syntax.

Translation into Latin of easy narrative English based upon the first twenty-five chapters of the prescribed *Cæsar*.

Translation at sight (with the aid of vocabularies) from some easy prose author.

Translation from prescribed texts, with grammatical and other questions naturally arising from the extracts set for translation.

The following are the texts prescribed:—

1903, 1904 and 1905: *Cornelius Nepos*, *Lives of Themistocles, Aristides and Hannibal*; *CÆSAR*, *Bellum Gallicum*, Book IV. (omitting Chap. 17), and Book V., Chaps. 1-23; *VERGIL*, *Æneid*, Book II. (1-505).

Two papers will be set: (1) Translation of English into Latin. (2) Prescribed texts and translation at sight, with questions on Grammar, etc.

N.B.—The Roman method of pronouncing Latin is recommended.

## 3. FRENCH.

The candidate's knowledge of French will be tested by: (1) simple questions on grammar, (2) the translation of simple passages from English into French, (3) translation at sight of easy passages from modern French, and (4) an examination on the following texts:—

1903: *LAMENNAIS*, *Paroles d'un croyant*, Chaps. VII. and XVII.; *PERRAULT*, *le Maître Chat ou le Chat Botté*; *DUMAS*, *Un nez gelé*, and *la Pipe de Jean Bart*; *ALPHONSE DAUDET*, *la Dernière classe* and *la Chèvre de M. Seguin*; *LEGOUVÉ*, *la Patte de dindon*; *POUVILLON*, *Hortibus*; *LOTI*, *Chagrin d'un vieux forçat*; *MOLIÈRE*, *l'Avare*, Acte III., sc. 5. (*Est-ce à votre cocher... sous la mienne*); *VICTOR HUGO*, *Waterloo*, Chap. IX.; *ROUGET DE L'ISLE*, *la Marseillaise*; *ARNAULT*, *la Feuille*; *CHATEAUBRIAND*, *l'Exilé*; *THÉOPHILE GAUTIER*, *la Chimère*; *VICTOR HUGO*, *Extase*; *LAMARTINE*, *l'Automne*; *DE MUSSET*, *Tristesse*; *SULLY PRUDHOMME*, *le Vase brisé*; *LA FONTAINE*, *le Chêne et le Roseau*.

*FEUILLET*, *le Village*.

1904: *LAMENNAIS*, *Paroles d'un croyant*, Chaps. VII. and XVII.; *PERRAULT*, *le Maître Chat ou le Chat Botté*; *DUMAS*, *Un nez gelé*, and *la Pipe de Jean Bart*; *ALPHONSE DAUDET*, *la Dernière classe*, and *la Chèvre de M. Seguin*; *LEGOUVÉ*, *la Patte de dindon*; *POUVILLON*, *Hortibus*; *LOTI*, *Chagrin d'un vieux forçat*; *MOIÈRE*, *l'Avare*, Acte III., sc. 5 (*Est-ce à votre cocher... sous la mienne*); *VICTOR HUGO*, *Waterloo*, Chap. IX.; *ROUGET DE L'ISLE*, *la Marseillaise*; *ARNAULT*, *la Feuille*; *CHATEAUBRIAND*, *l'Exilé*; *THÉOPHILE GAUTIER*, *la Chimère*; *VICTOR HUGO*, *Extase*; *LAMARTINE*, *l'Automne*; *DE MUSSET*, *Tristesse*; *SULLY PRUDHOMME*, *le Vase brisé*; *LA FONTAINE*, *le Chêne et le Roseau*.

*DAUDET*, *La Belle Nivernaise*.

1905: LAMENNAIS, *Paroles d'un croyant*, Chaps. VII. and XVII.; PERRAULT, *le Maître Chat ou le Chat Botté*; DUMAS, *Un nez gelé*, and *la Pipe de Jean Bart*; ALPHONSE DAUDET, *la Dernière classe*, and *le Chèvre de M. Seguin*; LEGOUVÉ, *la Patte de dindon*; POUVILLON, *Hortibus*; LOTI, *Chagrin d'un vieux forçat*; MOLIÈRE, *l'Avare*, Acte III., sc. 5 (*Est-ce à votre cocher... sous la mienne*); VICTOR HUGO, *Waterloo*, Chap. IX.; ROUGET DE L'ISLE, *la Marseillaise*; ARNAULT, *la Feuille*; CHATEAUBRIAND, *l'Exilé*; THÉOPHILE GAUTIER, *la Chimère*; VICTOR HUGO, *Extase*; LAMARTINE, *l'Automne*; DE MUSSET, *Tristesse*; SULLY PRUDHOMME, *le Vase brisé*; LA FONTAINE, *le Chêne et le Roseau*.

ERCKMANN-CHATRIAN, *Contes fantastiques*, pp. 3-69, 121-138, ed. by E. S. Joynes (Holt & Co.).

Two papers will be set: (1) Prescribed texts and translation at sight; questions on Grammar; (2) the translation of English into French.

#### 4. GERMAN.

The candidate's knowledge of German will be tested by: (1) simple questions on grammar, (2) the translation of simple passages from English into German, (3) translation at sight of easy passages from modern German, and (4) an examination on the following texts:—

1903: GRIMM, *Rotkäppchen*; ANDERSEN, *Wie's der Alte macht*, *Das neue Kleid*, *Venedig*, *Rothschild*, *Der Bär*; ERTL, *Himmelsschlüssel*; FROMMEL, *Das eiserne Kreuz*; BAUMBACH, *Nicotiana*, *Der Goldbaum*; HEINE, *Lorelei*, *Du bist wie eine Blume*; UHLAND, *Schäfer's Sonntagslied*, *Das Schloss am Meer*; CHAMISSE, *Das Schloss Boncourt*; CLAUDIUS, *Die Sterne*, *Der Riese Goliath*; GOETHE, *Mignon*, *Erkönig*, *Der Sänger*; SCHILLER, *Der Jüngling am Bache*.

LEANDER, *Träumereien*, pp. 45 to 90.

1904: GRIMM, *Rotkäppchen*; ANDERSEN, *Wie's der Alte macht*, *Das neue Kleid*, *Venedig*, *Rothschild*, *Der Bär*; ERTL, *Himmelsschlüssel*; FROMMEL, *Das eiserne Kreuz*; BAUMBACH, *Nicotiana*, *Der Goldbaum*; HEINE, *Lorelei*, *Du bist wie eine Blume*; UHLAND, *Schäfer's Sonntagslied*, *Das Schloss am Meer*; CHAMISSE, *Das Schloss Boncourt*; CLAUDIUS, *Die Sterne*, *Der Riese Goliath*; GOETHE, *Mignon*, *Erkönig*, *Der Sänger*; SCHILLER, *Der Jüngling am Bache*.

BAUMBACH, *Waldnovellen*.

1905: GRIMM, *Rotkäppchen*; ANDERSEN, *Wie's der Alte macht*, *Das neue Kleid*, *Venedig*, *Rothschild*, *Der Bär*; ERTL, *Himmelsschlüssel*; FROMMEL, *Das eiserne Kreuz*; BAUMBACH, *Nicotiana*, *Der Goldbaum*; HEINE, *Lorelei*, *Du bist wie eine Blume*; UHLAND, *Schäfer's Sonntagslied*, *Das Schloss am Meer*; CHAMISSE, *Das Schloss Boncourt*; CLAUDIUS, *Die Sterne*, *Der Riese Goliath*; GOETHE, *Mignon*, *Erkönig*, *Der Sänger*; SCHILLER, *Der Jüngling am Bache*.

LEANDER, *Träumereien*, pp. 45-90 (selected by Van Daell).

Two papers will be set: (1) Prescribed texts and translation at sight; questions on Grammar; (2) the translation of English into German.

### 5. ITALIAN.

Elementary Grammar (Grandgent's Grammar and the Italian Principia recommended); translation into Italian of short English sentences; and an examination on the following text:—

1903, 1904 and 1905: DE AMICIS, Cuore (I. Racconti mensili).

In lieu of the above a certificate of having passed the Form II. examination of the Education Department of Ontario or any subsequent examination in a High School, or Matriculation in Arts in any University in His Majesty's Dominions, including one of the languages: Greek, Latin, French, German, Italian, will be accepted.

Certificates of having passed Part I. of Junior Matriculation will be accepted *pro tanto* for Matriculation in Music.

Candidates at the Junior Leaving or Junior Matriculation examination who obtain the necessary percentage in the subjects required for Matriculation in Music may, on petition to the Senate, be granted Matriculation in Music.

Special applications for Matriculation may be dealt with by the Senate.

The Senate may in the case of Musicians of established reputation who apply for standing in the Faculty of Music, dispense with the Matriculation examination.

## Undergraduate Course.

In addition to Matriculation the candidate must have passed three examinations, theoretical and practical, before the degree of Bachelor of Music shall be granted.

All candidates must prove ability as practical musicians:—

- (a) As actual performers upon the pianoforte, organ or some orchestral instrument.
- (b) As vocalists with satisfactory knowledge of pianoforte accompaniment.

### First Year.

THEORY OF MUSIC:—

1. Harmony in three and four parts.
2. Counterpoint in two and three parts.
3. Musical History up to 1750.

PRACTICAL MUSIC:—

Candidates shall be required to play—on the piano or some orchestral instrument—or sing:—

1. Test exercises of a technical character.
  2. Two compositions (or portions of them), selected by the examiner.
- They shall also be required to play at the keyboard:—
- (a) A four-part harmony upon a given figured bass.
  - (b) A simple chorale, or an accompaniment to a song, in a key other than that in which the piece is written.



**Second Year.****THEORY OF MUSIC:—**

1. Harmony in not more than five parts.
2. Strict Counterpoint (including the treatment of the various species in combination) in not more than four parts.
3. Double Counterpoint.
4. Fugue and Canon, in not more than three parts.
5. Elements of Acoustics.
6. History of Music from 1750 to the present time.

**PRACTICAL MUSIC:—**

Candidates should be required to play—on the piano or some orchestral instrument—or sing:—

Two compositions (or portions of them), selected by the examiner.

They shall also be required to play, at the keyboard, the following tests, etc.:—

1. A figured bass, to be filled up, making a piece of four-part harmony.
2. A melody, to be harmonized in four parts.
3. To modulate from one key to another, as asked for by the examiner.
4. A piece of music, or an accompaniment to a song, to be transposed into a key named by the examiner.
5. An extract of four-part vocal score.

**Third Year.****THEORY OF MUSIC:—**

1. Harmony in not more than six parts, including some original work in four or five parts.
2. Strict, and free, Counterpoint in not more than five parts, with illustrations of imitative work.
3. Canon, and Fugue with special reference to the Episode, in four parts.
4. A general review of the History of Music from the earliest period to the present time.
5. Musical forms, and analysis.
6. Instrumentation, and scoring for the various sections of a modern orchestra, with practical illustrations of the candidate's ability to put into full score a phrase or phrases from a Beethoven sonata or from a similar composition selected by the examiner.
7. Analysis of the full orchestral score of some classical work:—  
1903: MENDELSSOHN'S *Elijah*.

**PRACTICAL MUSIC:—**

Candidate shall be required to play—on the piano or some orchestral instrument—or sing:—

Two or three compositions (or portions of them), selected by the examiner.

They shall also be required to play, at the keyboard, the following tests, etc.—

1. A melody to be harmonized in four parts.
2. A piece of music, or an accompaniment to a song, to be transposed into a key named by the examiner.
3. From a piece of vocal score.
4. To extemporize, in proper form, upon a given phrase.
5. From an orchestral score, and reproduce, as to pitch, the portions asked for.

In addition to the prescribed course for the Final examination, an original composition, either sacred or secular, will be required, containing five-part harmony, imitative counterpoint and four-part fugue with orchestral accompaniment and sufficiently long to occupy fifteen minutes in performance. This composition must be sent to the Registrar not later than May 1st.

Candidates for the degree may defer presenting this composition until a subsequent annual examination, in which case the fee for examination shall be \$10.

A certificate of having passed the examinations of the First and Second years of the affiliated College of Music or Conservatory of Music will be accepted *pro tanto* in lieu of the First year examination.

The examination for the diploma of the affiliated College of Music or Conservatory of Music will be accepted *pro tanto* in lieu of the First and Second year examination.

The Senate may admit *ad eundem statum* undergraduates of other Universities after due inquiry as to the requirements demanded by the institutions in which the candidates obtained their standing.

Musicians of established reputation may be admitted to the degree of Bachelor of Music upon their submitting for the approval of the University examiner or examiners an original composition, consisting of any one of the following:—

1. An Oratorio.
2. Cantata.
3. A Symphony.
4. An extended piece of Chamber Music.

## Examinations.

The examinations will take place at times to be fixed by the Senate.

Applications, must be transmitted to the Registrar at times to be fixed by the Senate, and at the time of application the proper fee must be paid to the Bursar.

### Fees.

|  |         |
|--|---------|
| Matriculation .....                              | \$10 00 |
| Each examination subsequent to matriculation.... | 10 00   |
| For admission <i>ad eundem statum</i> .....      | 10 00   |
| Degree of Mus. Bac.....                          | 20 00   |

### Text-Books.

Stainer's Treatise of Harmony; Prout's Harmony; Hiles' Grammar of Music, Books I. and II.; Banister's Music; Bridge's Primer of Counterpoint; Prout's Counterpoint; Richter's Counterpoint (Franklin Taylor's edition); Cherubini's Counterpoint, Canon and Fugue; Prout's Double Counterpoint and Canon; Jadassohn's Canon and Fugue; Higg's Primer of Fugue; Prout's Fugue; Stainer's Primer of Composition; Prout's Musical Form; Ouseley's Musical Form; Prout's Fugal Analysis; Prout's Primer of Instrumentation; Niemann's Catechism of Musical Instruments; Berlioz on Instrumentation; Stone's Primer on Scientific Basis of Music; Sedley Taylor's Sound and Music; Sedley Taylor's Science of Music; Tyndall on Sound; Bonavia Hunt's History of Music; Naumann's History of Music; Parry's Summary of Musical History (Primer); Rockstro's History of Music; Articles in Grove's Dictionary of Music and Musicians bearing on the various subjects for examination.

Candidates are not restricted to the above list, which is only suggested. The paper work is judged irrespective of any particular author or school.

### Curriculum for Local Examinations in Music.

The curriculum for local examinations in Music is under revision and will be issued during the session 1902-03.

## CURRICULUM IN PEDAGOGY.

### Degree of Bachelor of Pedagogy.

The degree of Bachelor of Pedagogy (B. Pæd.) is granted under the following conditions and regulations:—

1. The candidate shall hold (*a*) a degree in Arts, not being an honorary degree from a University in the British Dominions; and (*b*) a permanent first class or High School assistant's certificate, granted by the Education Department of Ontario.

2. The candidate shall pass an examination in the History and Principles of Psychology and Ethics, with their applications to Pedagogy; the Science of Education; and the History and Criticism of Educational Systems.

3. The candidate shall submit certificates of successful experience in teaching, satisfactory to the Senate.

4. The examination shall be held in May at the University of Toronto, or in any other locality in the Province chosen by the candidate and approved by the Senate, and under a presiding examiner appointed by the Senate, provided the candidate or candidates thereat defray the cost of the local examination. The candidate shall send notice to the Registrar of the University, not later than the first of April, of the locality he has chosen.

5. The fee for the examination shall be twenty dollars; and, for the degree, ten dollars. Both fees shall be paid to the Bursar not later than the first day of April.

6. The following text-books are recommended:—

#### A. HISTORY OF PSYCHOLOGY AND ETHICS.

##### I. *Ancient.*

Muirhead's Chapters from Aristotle's Ethics.

Dyde's Plato's Theætetus.

Bosanquet's Education of the Young in the Republic of Plato.

Nettleship's Article on Plato's Theory of Education in the Hellenica, and Windelband's History of Ancient Philosophy may also be consulted.

##### II. *Modern.*

J. S. Mill's Examination of Hamilton and Utilitarianism.

Herbert Spencer's Principles of Psychology.

Höfding's History of Modern Philosophy, Vol. II.; Sidgwick's History of Ethics, and Watson's Hedonistic Theories may also be consulted.



## B. PRINCIPLES OF PSYCHOLOGY AND ETHICS.

- Wundt's Outlines of Psychology.  
 Titchener's Primer of Psychology.  
 Wundt's Human and Animal Psychology (translated by Titchener and Creighton).  
 Tracy's Psychology of Childhood (5th edition).  
 McKenzie's Manual of Ethics.  
 Bosanquet's Psychology of the Moral Self.  
 Watson's Outlines of Philosophy.  
 Stout's Manual of Psychology, *or* Külpe's Outlines of Psychology.

## C. THE SCIENCE OF EDUCATION AND THE HISTORY OF EDUCATIONAL SYSTEMS.

- McLellan's Psychology of Number.  
 Tompkins's Philosophy of Teaching.  
 McLellan's Applied Psychology.  
 Locke's Conduct of the Understanding.  
 Compayré's Lectures on Pedagogy.  
 Laurie's Pre-Christian Education.  
 Laurie's Comenius.  
 Davidson's History of Education.  
 Davidson's Ancient Educational Ideals.  
 Munro's Educational Ideals.  
 Bowen's Fröbel and Education by Self-Activity.  
 Guyau's Education and Heredity.  
 Fouillée's Education from a National Standpoint.  
 Herbert Spencer's Education.

## Degree of Doctor of Pedagogy.

The degree of Doctor of Pedagogy (D. Pæd.) is granted under the following conditions and regulations:—

1. The candidate shall hold (a) a degree in Arts, not being an honorary degree, from a University in the British Dominions, (i) with honours in a department, or (ii) with a certificate as School Inspector *or* permanent certificate as specialist, granted by the Education Department of Ontario; and (b) the degree of Bachelor of Pedagogy from this University, *or* at least seven years' successful experience as teacher or school inspector in Ontario.
2. The candidate shall pass an examination in the History and Principles of Psychology and Ethics, with their application to Pedagogy; the Science of Education; and the History and Criticism of Educational Systems, with special reference to the nineteenth century.
3. The candidate shall submit certificates of successful experience as a teacher or school inspector, satisfactory to the Senate.

He shall also submit through the University Registrar, on or before the first day in May of the year in which he presents himself for examination, a thesis on some pedagogical topic, embodying the results of original investigation conducted by himself. After the examiners have reported in favor of his answer papers and his thesis, he shall, on the requisition of the Registrar, furnish him with one hundred printed copies of the thesis on or before the first day of October of the same year. The printed thesis shall contain the report of the examiners, which will be furnished to the candidate by the Registrar.

4. The examination shall be held at the same time and under the same conditions as the examination for the degree of Bachelor of Pedagogy. The fee for the examination shall be forty dollars; and, for the degree ten dollars. Both fees shall be forwarded by the candidate to the Bursar of the University not later than the first day of April, with his application and his certificates of successful experience.

5. The following text-books are recommended:—

#### A. PSYCHOLOGY AND ETHICS.

##### I. Wundt's Physiological Psychology.

James's Principles of Psychology.

Ward's "Psychology" in *Encyclopædia Britannica*.

Stout's Analytical Psychology or Titchener's Experimental Psychology (students' edition).

Green's Prolegomena to Ethics.

Bosanquet's Philosophical Theory of the State.

Candidates who present a certificate of at least one year's successful work in the Psychological laboratory of the University of Toronto will be exempt from the examination in Psychology prescribed in this section.

II. The candidate shall take in addition *either* the Ancient or the Modern section, as follows:—

##### (a) *Ancient*.

Plato's Republic, Bks. I., II., III. and IV. (Campbell and Jowett).

Aristotle's De Anima, Bks. I. and III. (E. Wallace).

Aristotle's Ethics, Bks. I. and II. (Burnet).

##### (b) *Modern*.

Descartes' Method and Meditations (Veitch).

Lebnitz's Monadology (Latta).

The Philosophy of Kant: The Critique of Pure Reason (Max Müller's Translation) and Watson's Selections.

Caird's Articles on Cartesianism in his Essays in Literature and Philosophy, Watson's Outlines of Philosophy, Dewey's Leibnitz (Grigg series), and Höffding's History of Modern Philosophy may also be consulted.

B. THE SCIENCE OF EDUCATION AND THE HISTORY AND CRITICISM OF  
EDUCATIONAL SYSTEMS.

Harris's Psychological Foundations of Education.

Rosenkrantz's Philosophy of Education.

Laurie's Institutes of Education.

Bacon's Advancement of Learning.

Pestalozzi's Leonard and Gertrude (Channing).

Fröbel's Education of Man (Hailman's).

Davidson's Education of the Greek People.

De Garmo's Herbart and the Herbartians.

Sir J. G. Fitch's Thomas and Matthew Arnold.

J. E. Russell's The German Higher Schools.

Balfour's Educational Systems of Great Britain and Ireland.

Rousseau's Emile.

Hinsdale's Horace Mann.

Dewey's School and Society.

Compayré's History of Pedagogy.

The chief recent Educational Reports.

At the examination for degrees in Pedagogy the standard shall be as follows:—

(1) For Pass, forty per cent. of the marks assigned to each paper;

(2) For Second Class Honours, sixty per cent. of the total marks for all the papers;

(3) For First Class Honours, eighty per cent. of the total of the marks for all the papers.

## DIPLOMA IN COMMERCE.

### CURRICULUM.

#### Entrance.

Candidates may enter this course who have passed an examination in English, Modern History and Geography, Mathematics and any two Modern Languages.

The papers of this examination and the standing required shall be those of the Junior Matriculation.

#### First Year.

1. English of the First Year.
2. Any two of the four Modern Languages, viz.: French, German, Spanish, Italian.
3. Application of Mathematics to commerce.
4. Elementary Inorganic Chemistry of the First year.
5. Elementary Physics of the First year.
6. Elementary Economics of the Second year—Honours.
7. Drawing (Optional).

#### Second Year.

1. English of the Second year with two instead of four compositions.
2. Any two Modern Languages of the Second year with exercises in commercial literature.
3. Economics:—(a) Economic Geography, Economic History.  
(b) Banking, Public Finance.  
(c) Transportation  
with four compositions.
4. Commercial Law.
5. Geology and Mineralogy of the Second year, *or* Applied Chemistry, *or* History and Principles of Architecture, *or* Electricity with laboratory work *or* Mechanical Drawing.

#### Diploma.

The diploma in Commerce will be awarded to those candidates who have attended in the University of Toronto the lectures in the subjects of the First and Second years as specified above, and who have passed the prescribed examinations.



## INFORMATION FOR STUDENTS.

### Objects of the Course.

The course in Commerce, established in 1901, is intended to supply facilities for the training of young men who purpose entering upon a business career, especially for those who desire to turn their attention to domestic and foreign commerce, banking, or those branches of the public service, *e.g.*, trade consularships, in which a knowledge of business is essential; it is designed also to provide instruction for those preparing themselves for positions as commercial masters. The course has been limited to two years of study in order to meet the requirements of students who cannot spend a longer time in preparation. Such students as are able to complete a four years' course of study will find in the Arts course in Political Science a curriculum corresponding in some important respects with that prescribed for the diploma in Commerce.

### Requirements for Admission.

The entrance examination is identical with that for Junior Matriculation, with the omission of Latin. All students are recommended to pass this examination, but any student presenting himself will be admitted to the course, and if successful in passing the examinations at the end of the first year, will be allowed to proceed as a regular student with his next year's work. Before entering upon the course a student must register with the Registrar of the University, and enroll with each instructor whose lectures he is to attend.

### Course of Study.

The studies included in the course fall naturally into four groups:—

(1) Mathematics and the Natural Sciences.

(2) Modern languages, including English composition.

(3) History and Political Economy, embracing Economic Theory, Economic Geography, Modern Industrial History, Banking, Transportation, Commercial Law.

(4) Drawing, including the history and principles of Architecture.

In groups (1), (2) and (4) certain electives are allowed as indicated in the curriculum above.

### Fees.

The usual University fees for instruction and examination in the various subjects are required, viz:—

|  |                |
|--|----------------|
| For Matriculation Examination .....  | \$ 5 00        |
| For Academic year, extending from October to                                 |                |
| May .....  | 36 00          |
| Library fees .....   | 2 00           |
| Laboratory fees (in the Natural Science Department) per course per year..... | \$1 00 to 3 00 |

**Prizes.**

The members of the Executive of the Board of Trade of Toronto have offered for competition at the next examination prizes to the extent of \$250.00; and Mr. P. W. Ellis has donated a bronze medal to be known as the Course in Commerce Medal. Students in the course are also members of the Political Science Club of the University, and as such are entitled to compete for the Political Science Club Silver Medal, presented by the same donor. This medal is awarded for the best essay showing original research work prepared during the summer vacation.

## CURRICULUM FOR DIPLOMA IN GYMNASTICS AND PHYSICAL DRILL.

A diploma will be granted to students of the University who shall have completed to the satisfaction of the Senate the following courses for teachers of Gymnastics and Physical Drill:—

I. A theoretical course embracing anthropological measurements and the general methods adopted to improve the physical condition of the student.

II. A practical course embracing the following exercises:—

### FOR MEN.

1. (a) Horizontal Bar.  
(b) Parallel Bars.  
(c) Vaulting Horse.
2. Rifle exercise and military drill.
3. Club-swinging and dumb-bells.
4. Fencing, single-stick and quarter-staff.
5. Boxing and wrestling.

Of these 1 and 2 to be compulsory, together with any one of 3, 4 or 5.

### FOR WOMEN.

1. Exercises for the chest and upper extremities.  
(a) Dumb-bell and bar-bells.  
(b) Club-swinging and basket-ball.  
(c) Swedish exercises for harmonic expansion.
2. Progressive exercises, including walking, running, leaping, marching and drill with use of vaulting bar and horse.
3. Calisthenics, including poise and ease, freedom and harmony of movement.
4. Vocal exercises, including breathing, freedom and strength of voice, expression, quantity, rhythm and melody.
5. Exercises involving correlation of muscular movement with the eye, including fencing, archery, tennis and other exercises of quickness and precision.

Numbers 1, 2 and 3 are required of all students, and an option of 4 and 5.

An examination will be required in elementary anatomy and hygiene.

III. All candidates for the diploma shall present certificates of having completed a three years' course of instruction in the subjects of examination. Such course of instruction shall be taken in the Gymnasium of the University of Toronto, but courses of instruction elsewhere may, by special permission of the Senate, be accepted *pro tanto*.

IV. The fee for examination shall be \$2, and for the diploma \$2.

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**FEDERATED AND AFFILIATED COLLEGES.**

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## St. Michael's College.

St. Michael's College was established in 1852 by the Basilian Fathers from Annonay, France, at the request and under the patronage of the Most Rev. Dr. De Charbonnel, then Bishop of Toronto. For four years the College occupied the wing of St. Michael's Palace, on Church street. In 1856 a more suitable edifice was erected on the present site, part of which was the gift of the late Hon. John Elmsley. Since that time the building has been more than doubled, and the chapel enlarged and improved.

The object of the institution is to impart a thorough Catholic training, moral and intellectual, so as to fit young men for any position in life which they may wish to occupy.

The studies advancing steadily with the educational progress of the country, it was deemed advantageous for those studying for the liberal professions to have the College affiliated with the Provincial University. In 1881 this affiliation was effected upon a basis similar to that of several of the Catholic Colleges of England and Ireland with the University of London.

The course of study comprises, besides an Elementary department, three others, viz., Commercial, Classical and Philosophical. In the latter department lectures are delivered in the subjects of the department of Philosophy as prescribed by the curriculum of the University of Toronto.

Special lectures are also delivered upon the History required in the curriculum of the University.

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## The Faculty.

REV. J. R. TEEFY, LL.D., C.S.B., *Superior and Professor of Mental Science.*

REV. F. R. FRACHON, C.S.B., *Professor of Theology.*

REV. A. P. DU MONCHEL, C.S.B., *Professor of Rhetoric.*

REV. A. MARTIN, C.S.B., *Treasurer and Professor of Mathematics and Natural Philosophy.*

### Wycliffe College.

Wycliffe College was founded in 1877, being known at first as the Protestant Episcopal Divinity School. It was incorporated in 1879. In 1885 it was affiliated with the University of Toronto, and federated in 1890 upon the proclamation of the Federation Act.

Its object is the Theological training of candidates for the ministry of the Church of England in Canada and for the foreign Missionary field. Its work and methods are based upon the position of "distinctive Evangelical teaching" in Theology.

In the University and University College its students receive instruction in the prescribed subjects of the Arts Course, as preliminary to the special study of Theology. The Theological Course extends over a period of three years, and leads up to the degree of B.D.

The first year of the Theological Course may, however, be taken concurrently with the Arts work of the University by means of the Theological options, and by following the schedule laid down in the calendar of the College.

The first building of the College was erected in 1882. The work is now carried on in the building completed in 1891, contiguous to the Queen's Park, and in proximity to the main building of the University of Toronto, with rooms for forty-four students, lecture rooms, library, chapel, dining hall, etc. Students have access to the University library, gymnasium, etc.

### The Faculty.

REV. J. P. SHERATON, D.D., LL.D. (PRINCIPAL), *Professor of Dogmatic Theology and of the Literature and Exegesis of the New Testament.*

REV. HENRY J. CODY, M.A., *Professor of the Literature and Exegesis of the Old Testament and of Ecclesiastical History.*

—————, *Professor of Liturgics, Homiletics and Pastoral Theology.*

REV. H. P. PLUMPTRE, M.A., OXON., *Professor of Apologetics and Patristics, and Lecturer in Old Testament History and Exegesis.*

MR. S. T. CHURCH, *Instructor in Elocution.*

### Honorary Lecturers.

REV. JOHN DE SOYRES, M.A. (late Hulsean Lecturer at the University of Cambridge), *Church History.*

REV. G. M. WRONG, M.A. (Professor of History in the University of Toronto), *Apologetics.*

REV. SEPTIMUS JONES, M.A., *Liturgics.*

REV. F. H. DUVERNET, B.D., *Pastoral Theology.*

*Chairman of Council.*

N. W. HOYLES, ESQ., B.A., K.C.

*Representatives on the Senate.*

THE PRINCIPAL.

HON. S. H. BLAKE, K.C.

N. W. HOYLES, ESQ., K.C.

*Librarian.*

REV. PROFESSOR CODY, M.A.

*Dean of Residence.*

REV. H. P. PLUMPTRE, M.A.

*Registrar and Bursar.*

HERBERT MORTIMER, ESQ.

Registrar's Office, Room 60, Confederation Life Building, Toronto.

## Knox College.

Knox College was established at Toronto in 1844, as a theological seminary in connection with the Synod of the Presbyterian Church of Canada (Free Church), which had been organized in the same year. In 1858 it was incorporated by Act of Parliament. In 1861, in consequence of the union of the Synod of the Free Church and that of the United Presbyterian Church, as the Synod of the Canada Presbyterian Church, Knox College and the Theological Institute of the United Presbyterian Synod were united.

After several changes of location the present buildings on Spadina Avenue were erected in 1875. Knox College was affiliated with the University of Toronto in 1885, and federated in 1890, upon the proclamation of the Federation Act. In the University and University College such of its students as are not proceeding to a degree receive instruction during three sessions in English, Latin, Greek, History, Logic, Chemistry, Biology, Physics, Mental and Moral Philosophy and Hebrew. Most of the entrants in Theology, however, complete a regular University course. The course in Theology extends over three years. A number of scholarships and prizes are offered for competition in each year. Theological options may be taken by students of the University in their Third and Fourth years.

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## The Faculty.

REV. WILLIAM CAVEN, D.D., LL.D. (Principal), *Professor of New Testament Literature and Exegesis.*

REV. WILLIAM McLAREN, D.D., *Professor of Systematic Theology.*

REV. JOHN E. MCFADYEN, M.A., B.D., *Professor of Old Testament Literature and Exegesis.*

REV. JAMES BALLANTYNE, B.A., *Professor of Apologetics and Church History.*

REV. A. HALLIDAY DOUGLAS, M.A., *Professor of Apologetics, Homiletics and Pastoral Theology.*

MR. S. T. CHURCH, *Lecturer in Elocution.*

REV. WILLIAM MCWILLIAM, LL.B., *Librarian.*



## Victoria University.

### THEOLOGICAL FACULTY.

The Faculty of Theology in Victoria University was established in 1871 for the purpose of training candidates for the ministry of the Methodist Church. Its classes and degrees have, however, always been open to candidates for the ministry in any church.

Instruction is provided in the various courses of study leading up to ordination in the Methodist Church., viz., the Ordinary Course, the Course for Graduates in Arts, and the B.D. Course. The first-named course pre-supposes matriculation in Arts, the last two pre-suppose graduation in Arts.

Undergraduates in Arts, whether candidates for the ministry or not, have the privilege of taking certain subjects in Theology as theological options in their third and fourth years.

For further information as to courses of study, fees, honours, prizes, scholarships and regulations, see the Calendar of Victoria University, or apply to the Dean of the Faculty, Rev. Professor F. H. Wallace, M.A., D.D.

### The Faculty.

REV. NATHANAEL BURWASH, S.T.D., LL.D., *President, and Edward Jackson Professor of Biblical and Systematic Theology.*

REV. ALFRED H. REYNAR, M.A., LL.D., *Professor of Ecclesiastical History.*

REV. ERATUS I. BADGLEY, B.D., LL.D., *Professor of Ethics and Apologetics.*

REV. FRANCIS HUSTON WALLACE, M.A., D.D., *Dean of the Faculty and George A. Cox Professor of New Testament Exegesis and Literature.*

REV. JOHN BURWASH, D.Sc., LL.D., *Massey Professor of English Bible and Homiletics.*

REV. JOHN FLETCHER McLAUGHLIN, M.A., B.D., *Professor of Old Testament Exegesis and Literature.*

## The School of Practical Science.

The Legislative Assembly during the Session of 1877 gave its sanction to the establishment of a School of Practical Science on the basis proposed in the memorandum of the Minister of Education confirmed by the Lieutenant-Governor-in-Council on the 3rd day of February, 1877.

By the scheme thus approved of, the Government effected an arrangement with the Council of University College whereby the students of the School of Practical Science enjoyed full advantage of the instruction given by its professors and lecturers in all the departments of science which were embraced in the work of the School.

This arrangement was brought to an end in 1889 by the transfer of the departments in science above referred to from University College to the University of Toronto under the operation of the University Federation Act.

In order that the students of the School might continue to enjoy the advantage of instruction in the above departments, the Senate of the University of Toronto passed a Statute in October, 1889, affiliating the School to the University, which Statute was confirmed by the Lieutenant-Governor in Council on the 30th day of October, 1889.

By an Order in Council, approved by the Lieutenant-Governor on the 6th day of November, 1889, a Principal was appointed, and the management of the School was entrusted to a council composed of the Principal as chairman, and the Professors, Lecturers and Demonstrators, appointed on the Teaching Faculty of the School.

There are five regular Departments of Instruction, in each of which Diplomas are granted, viz.:—

1. Civil Engineering (including Sanitary Engineering).
2. Mining Engineering.
3. Mechanical and Electrical Engineering.
4. Architecture.
5. Analytical and Applied Chemistry.

The instruction given in each of these Departments is designed to give the student a thorough knowledge of the scientific principles underlying the practice in the several professions, and also such a training as may make him immediately useful when he commences active professional work.

### **Diploma.**

The regular course in each department is of three years' duration, and leads to the Diploma of the School. The instruction is given partly in the lecture room and partly in the drafting rooms, laboratories and field. A certain amount of work is laid out for the summer vacation. The course of study in each department is general, and beyond the selection of his department the student has no opportunity to specialize.

### **Degree of B.A.Sc.**

After the general course is finished the Diploma of the School is granted, and the student is at liberty either to enter the active life of his profession, or to spend another year in special work. This year is called the fourth or post-graduate year. Graduates electing to proceed with their studies are allowed to select two subjects from an approved list, and are required to confine their whole attention to these subjects during the fourth year. The subjects on this list are such as require a large amount of time to be devoted to laboratory and other practical work. The advanced theoretical instruction is given either at the beginning or end of the working day, in order not to break up the time allotted to practical work. During this year the student is required to prepare a thesis on some subject connected with his work. The practical examinations are held by the School, while the written examinations and the examination of the theses are held by the University. After complying with all requirements, the candidate receives from the University the degree of Bachelor of Applied Science (B.A. Sc.).

### **Professional Degrees.**

Bachelors of Applied Science may, after three years spent in professional work, present themselves for the degrees of

Civil Engineer (C.E.), Mining Engineer (M.E.), Mechanical Engineer (M.E.), or Electrical Engineer (E.E.), as the case may be, subject to the rules and regulations established by the University.

### Faculty of Applied Science and Engineering.

By a Statute of the Senate of the University of Toronto, passed on December 14th, 1900, the teaching staff and examiners of the School of Practical Science, together with the examiners for the degree of B.A. Sc. and professional degrees in Engineering, were constituted *ex officio* the Faculty of Applied Science and Engineering of the University of Toronto.

The Statute is as follows:—

By the Senate of the University of Toronto,

*Be it enacted:*

1. That the Faculty of Applied Science and Engineering be hereby established.

2. That the courses and examinations of the School of Practical Science leading to the Diploma of the School and to the special certificates of the school, together with the courses and examinations leading to the degrees of Bachelor of Applied Science (B.A.Sc.), Civil Engineer (C.E.), Mining Engineer (M.E.), Mechanical Engineer (M.E.), and Electrical Engineer (E.E.), be the curriculum and examinations of the University in the said Faculty.

3. That the members of the teaching staff of the School of Practical Science be the members of the teaching staff of the University in the said Faculty.

4. That the examiners of the School of Practical Science, whether members of the teaching staff of the said school or otherwise, together with the examiners for the degrees named in clause 2, be the examiners of the University in the said Faculty.

5. That the regular students of the School of Practical Science in the first, second, third and fourth years respectively be the undergraduates of the University in the corresponding years in the said Faculty.



6. That the non-regular, occasional and special students of the School of Practical Science be the non-regular, occasional and special students of the University in the said Faculty.

7. That the provisions of this Statute apply, as far as may be, to all graduates of the School of Practical Science and to all graduates of the University in Applied Science and Engineering.

8. That no liability shall be incurred by the University of Toronto for the support or maintenance of the Faculty hereby established.

### The Faculty.

J. GALBRAITH, M.A., M. Can. Soc. C.E., *Professor of Engineering (Chairman), Principal.*

W. HODGSON ELLIS, M.A., M.B., *Professor of Applied Chemistry.*

A. P. COLEMAN, M.A., Ph.D., *Professor of Geology.*

L. B. STEWART, O.L.S., D.T.S., *Professor of Surveying and Geodesy (Bursar).*

C. H. C. WRIGHT, B.A.Sc., Mem. O.A.A., *Professor of Architecture.*

T. R. ROSEBRUGH, M.A., *Professor of Electrical Engineering.*

J. A. DUFF, B.A., A.M. Can. Soc. C.E., *Lecturer in Applied Mechanics.*

G. R. MICKLE, B.A., *Lecturer in Mining.*

R. W. ANGUS, B.A.Sc., *Lecturer in Mechanical Engineering.*

A. T. LAING B.A.Sc., *Demonstrator in Surveying (Secretary).*

J. W. BAIN, B.A.Sc., *Demonstrator in Analytical Chemistry.*

W. MONDS, B.A.Sc., *Demonstrator in Mechanical Engineering.*

J. A. CRAIG, B.A.Sc., *Fellow in Mechanical Engineering.*

A. H. HARKNESS, B.A.Sc., *Fellow in Civil Engineering.*

A. H. A. ROBINSON, B.A.Sc., *Fellow in Mining Engineering.*

E. G. R. ARDAGH, B.A.Sc., *Fellow in Chemistry.*

W. G. CHACE, Grad. S.P.S., *Fellow in Electrical Engineering.*

J. T. M. BURNSIDE, B.A.Sc., *Fellow in Drawing.*

J. A. DE CEW, B.A.Sc., *Lecture Assistant in Chemistry.*

**Members of the Faculty of Arts whose Lectures are  
Attended by the Students of the School.**

- JAMES LOUDON, M.A., LL.D., *President and Professor of Physics.*  
 R. RAMSAY WRIGHT, M.A., B.Sc., *Professor of Biology.*  
 ALFRED BAKER, M.A., *Professor of Mathematics.*  
 W. R. LANG, D.Sc., *Professor of Chemistry.*  
 A. B. MACALLUM, B.A., M.B., PH.D., *Associate Professor of Physiology.*  
 W. L. MILLER, B.A., PH.D., *Associate Professor of Physical Chemistry.*  
 W. J. LOUDON, B.A., *Demonstrator in Physics.*  
 C. A. CHANT, M.A., *Lecturer in Physics.*  
 J. C. MCLENNAN, B.A., PH.D., *Demonstrator in Physics.*  
 ALFRED T. DELURY, B.A., *Lecturer in Mathematics.*  
 E. F. BURTON, B.A., *Fellow in Mathematics.*  
 G. R. ANDERSON, M.A., and J. S. PLASKETT, B.A., *Assistants in Physics.*

For the Calendar or other information, address the Secretary, A. T. LAING.

## Trinity Medical College.

This Medical College was organized in 1850, and at first formed the Medical Faculty of the University of Trinity College. In 1856 it ceased to be a Faculty of that University. In 1871 it was re-organized in the same position. It has always been in affiliation with the University of Toronto. In 1877, in which year it was incorporated by a special Act of the Legislature, as an independent medical teaching body, and its affiliation with Toronto University was continued. In 1887 its name became what it now is—by an amendment to the Act of Incorporation—creating it “a college” and making other desirable changes in the Act. Its curriculum embraces all the subjects required by the College of Physicians and Surgeons of Ontario.

### The Faculty.

- W. B. GEIKIE, M.D., C.M., D.C.L., F.R.C.S.E., L.R.C.P., London, Dean of the Faculty, *Professor of Principles and Practice of Medicine.*
- J. A. TEMPLE, M.D., C.M., M.R.C.S., Eng., *Professor of Obstetrics and Gynaecology.*
- F. LE M. GRASSETT, M.B., C.M., Edin. Univ., F.R.C.S.E., M.R.C.S., Eng., *Professor of Principles and Practices of Surgery, and of Clinical Surgery*
- W. T. STUART, M.D., C.M., Trin. Univ., and M.B., Tor. Univ., *Professor of General and Practical Chemistry and Chemical Physics.*
- C. SHEARD, M.D., C.M., F.T.M.C., M.R.C.S., Eng., *Professor of Physiology and of Clinical Medicine.*
- G. S. RYERSON, M.D., C.M., L.R.C.P., L.R.C.S., Edin., *Professor of Ophthalmology and Otology.*
- L. TESKEY, M.D., C.M., M.R.C.S., Eng., *Professor of Anatomy and Clinical Surgery.*
- J. L. DAVISON, B.A., Tor. Univ., M.D., C.M., M.R.C.S., Eng., *Professor of Clinical Medicine.*
- G. A. BINGHAM, M.D., C.M., Trin. Coll., M.B., Tor. Univ., *Professor of Applied Anatomy, and Associate-Professor of Clinical Surgery.*
- N. A. POWELL, M.D., C.M., Trin. Coll., M.D., Bellev. Hos. Med. Coll., N.Y., *Professor of Medical Jurisprudence and Toxicology and Mental Diseases, and of Clinical Surgery, and Lecturer on Surgical Appliances.*

- ALLAN BAINES, M.D., C.M., F.T.M.C., L.R.C.P., London, *Associate-Professor of Clinical Medicine and Professor of Pediatrics.*
- D. GILBERT GORDON, B.A., Tor. Univ., M.D., C.M., Trin. Univ., L.R.C.P. & S., Edin., L.F.P. & S., Glasgow, *Professor of Sanitary Science and Associate-Professor of Clinical Medicine.*
- C. TROW, M.D., C.M., Trin. Univ., F.T.M.C., L.R.C.P., Lond., *Clinical Professor of Ophthalmology and Otology.*
- D. J. GIBB WISHART, B.A., Tor. Univ., M.D., C.M., L.R.C.P., Lond., *Professor of Laryngology and Rhinology, and Senior Demonstrator of Anatomy.*
- E. B. SHUTTLEWORTH, PHM. D., Trin. Univ., F.C.S., *Professor of Materia Medica and Pharmacy.*
- H. B. ANDERSON, M.D., C.M., F.T.M.C., L.R.C.P., Lond., and M.R.C.S., Eng., *Professor of Pathology and Bacteriology, and Lecturer on Clinical Medicine, and Curator of Museum*
- J. T. FOTHERINGHAM, B.A., Tor. Univ., M.D., C.M., Trin. Univ., *Professor of Therapeutics and the Theory and Practice of Prescribing, and Associate-Professor of Clinical Medicine.*

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**Lecturers, Demonstrators, Instructors, and Assistants.**

- W. H. PEPLER, M.D., C.M., F.T.M.C., *Demonstrator in Pathology and Medical Clinical Instructor.*
- C. A. TEMPLE, M.D., C.M., F.T.M.C., *Assistant Clinical Lecturer St. Michael's Hospital.*
- FREDERICK FENTON, M.D., C.M., F.T.M.C., *Lecturer and Demonstrator in Histology, and Medical Clinical Instructor.*
- A. H. GARRATT, M.D., C.M., F.T.M.C., *Lecturer on Clinical Gynaecology, St. Michael's Hospital.*
- H. C. PARSONS, B.A., M.D., C.M., M.R.C.S., Eng., L.R.C.P., Lond., *Demonstrator of Bacteriology and Clinical Microscopy, and Medical Clinical Instructor.*
- C. B. SHUTTLEWORTH, M.D., C.M., F.T.M.C., *Senior Assistant Demonstrator of Anatomy and Surgical Clinical Instructor.*
- B. Z. MILNER, M.D., C.M., *2nd Senior Assistant in Practical Anatomy.*
- J. McMASTER, B.A., Tor. Univ., M.D., C.M., F.T.M.C., *Assistant in Practical Anatomy.*
- GEORGE ELLIOTT, M.D., C.M., Trin. Univ., F.T.M.C., *Assistant in Practical Anatomy.*
- THOMAS BEDFORD RICHARDSON, M.D., C.M., Trin. and Vict. Univ., F.T.M.C., F.R.C.S.E., *Assistant in Practical Anatomy.*



## Ontario Medical College for Women.

The Woman's Medical College was established in 1883. Instruction is given in all subjects required by the College of Physicians and Surgeons of Ontario for admission to a license to practise, and also in all subjects required by the University of Toronto for examination in the Faculty of Medicine. The Woman's Medical College was affiliated with the University of Toronto in 1890.

The building, recently erected, is situated on Sumach street, between Gerrard and Spruce streets.

For further particulars as to instructions, etc., apply to Jean M. Willson, M.B., Registrar of the Faculty.

### The Faculty.

R. B. NEVITT, B.A., M.D., *Dean of Faculty, Professor of Clinical Surgery.*

J. T. DUNCAN, M.D., C.M., *Professor of Anatomy.*

A. R. PYNE, M.B.

A. STOWE GULLEN, M.D., C.M., *Professor of Diseases of Children.*

JAMES F. W. ROSS, M.D., C.M., *Professor of Gynaecology.*

D. J. GIBB WISHART, B.A., M.D., C.M., *Secretary of the Faculty, Professor of Rhinology and Laryngology.*

T. F. McMAHON, M.D., C.M., *Professor of Principles and Practice of Medicine and Clinical Medicine.*

G. B. SMITH, M.D., C.M., *Professor of Pharmacy and Therapeutics.*

J. MACCALLUM, B.A., M.D., C.M., *Professor of Ophthalmology and Otology.*

H. T. MACHELL, M.B., *Professor of Obstetrics.*

N. A. POWELL, M.D., C.M., *Professor of Surgery.*

G. S. CLELAND, M.B., *Assistant-Professor of Anatomy and Demonstrator in Anatomy.*

B. E. McKENZIE, B.A., M.D., C.M., *Lecturer on Applied Anatomy and Assistant-Professor of Surgery (Orthopedics).*

R. S. TYRRELL, M.B., *Professor of Medical Jurisprudence.*

G. CHAMBERS, B.A., M.B., *Associate-Professor of Clinical Medicine and Professor of Diseases of the Skin.*

- LELIA A. DAVIS, M.B., *Assistant Accoucheur, Lecturer on Histology.*
- JENNIE GRAY, M.D., C.M., *Associate-Professor of Gynaecology.*
- R. J. DWYER, *Lecturer on Nervous Diseases.*
- A. B. EADIE, M.D., C.M., *Professor of Physiology and Biology.*
- BERTHA DYMOND, M.D., C.M., *Assistant Accoucheur.*
- IDA W. LYND, M.D., C.M., *Lecturer on Materia Medica, Junior Demonstrator in Anatomy, Assistant Accoucheur.*
- CHARLES B. SHUTTLEWORTH, M.D., C.M., *Lecturer in Clinical Surgery.*
- W. J. WILSON, M.B., *Lecturer on Sanitary Science.*
- HAROLD C. PARSONS, B.A., M.D., C.M., M.R.C.S., Eng., L.R.C.P., Lond., *Professor of Pathology and Clinical Microscopy.*
- E. LELIA SKINNER, M.B., *Assistant in Anatomy, Assistant Accoucheur.*
- W. J. MCCOLLUM, M.B., *Professor of Chemistry and Toxicology.*
- B. Z. MILNER, M.D., C.M., *Lecturer on Clinical Surgery.*
- JEAN MCD. WILSON, M.B., *Registrar of the Faculty, Lecturer on Medical Psychology.*
- G. SILVERTHORNE, M.B., *Lecturer on Surgery and Clinical Surgery.*
- W. MCKEOWN, B.A., M.D., C.M., M.R.C.S., Eng., *Lecturer on Clinical Surgery.*
- A. A. SMALL, M.B., L.R.C.P., Lond., M.R.C.S., Eng., *Lecturer on Clinical Surgery and Clinical Medicine.*
- S. H. WESTMAN, M.B., *Lecturer in Inorganic Chemistry and Physics.*
- R. G. D. HUME, M.D., C.M., *Laboratory Assistant in Pathology and Bacteriology.*
- MINERVA M. GREENAWAY, M.D., C.M., Trin., *Demonstrator in Physiology. Assistant in Anatomy.*
- CHAS. J. COPP, M.D., C.M., Trin., M.R.C.S. Eng., L.R.C.P. Lond., *Demonstrator in Practical Chemistry.*
- CHAS. J. CURRY, B.A., M.B., Tor., *Lecturer in Inorganic Chemistry.*
- WM. HUNTER PIERSOL, B.A., M.B., Tor., *Demonstrator in Physics.*
- MARGARET MACCALLUM, M.D., C.M., Trin., *Assistant in Anatomy.*
- HELEN MACMURCHY, M.D., C.M., Trin., M.B. Tor., *Assistant in Anatomy.*

## Royal College of Dental Surgeons of Ontario.

This institution was incorporated in 1868, with power to examine and issue license to practise as a dentist in the Province. In connection with the College a School of Dentistry was established in 1875 for the instruction of students in their professional work.

### The Faculty.

J. BRANSTON WILLMOTT, D.D.S., M.D.S., Dean of the Faculty, *Professor of Operative Dentistry and Dental Prosthetics.*

96 College Street.

LUKE TESKEY, L.D.S., M.D., C.M., M.R.C.S., Eng. (*Surgeon to Toronto General Hospital*), *Professor of Principles and Practice of Medicine and Surgery, as applied to Dentistry.*

W. T. STUART, M.D., C.M. (*Professor of Chemistry, Trinity Medical School*), *Professor of Chemistry.*

W. EARL WILLMOTT, L.D.S., D.D.S., *Professor of Clinical Dentistry and Technique, and General Superintendent.*

A. J. McDONAGH, L.D.S., *Professor of Crown and Bridge Work.*

A. PRIMROSE, M.B., C.M., Edin., M.R.C.S., Eng. (*Professor of Anatomy, Director of the Anatomical Department, University of Toronto*), *Professor of Visceral Anatomy and Physiology.*

JOHN J. MACKENZIE, B.A., M.B. (*Professor of Pathology, University of Toronto*), *Professor of Histology, Bacteriology, and Comparative Dental Anatomy.*

H. CLARK, L.D.S., D.D.S., *Professor of Dental Materia Medica and Therapeutics.*

W. T. STUART, M.D.C.M., *Professor of Anatomy.*

A. E. WEBSTER, L.D.S., D.D.S., M.D., *Professor of Orthodontia.*

J. B. WILLMOTT, D.D.S. M.D.S., *Lecturer on Dental Jurisprudence.*

J. F. ROSS, L.D.S., D.D.S., *Instructor in Porcelain.*

A. E. WEBSTER, L.D.S., D.D.S., M.D., *Demonstrator of Operative Dentistry, Operative Technique and Orthodontia.*

F. N. G. STARR, M.B., A. R. GORDON, M.B., FRED. WINNETT, M.B., *Demonstrators of Anatomy.*

W. C. TROTTER, B.A., L.D.S., D.D.S., *Demonstrator of Practical Chemistry.*

E. C. ABBOTT, L.D.S., D.D.S., G. G. HUME, L.D.S., D.D.S., *Demonstrators in the Infirmary.*

THOS. HENDERSON, M.D.S., D.D.S., *Instructor in Nitrous Oxide.*

F. D. PRICE, L.D.S., D.D.S., *Instructor in Electro-Therapeutics.*

W. E. WILLMOTT, D.D.S., *Superintendent.*

College Building, 93 College Street, Toronto.

The Royal College of Dental Surgeons was affiliated with the University of Toronto in 1888, and shortly thereafter an examination for the degree of Doctor of Dental Surgery was instituted in the University. For curriculum, see p. 247.



## Ontario College of Pharmacy.

The Council of the College of Pharmacy, the bi-ennially elected governing body of the practising pharmacists of the Province of Ontario, began in 1882 to give instruction in the various subjects necessary for license for druggists. The College building, situated in St. James' Square, was erected in 1886, and the Faculty re-organized and extensive additions made to the building in 1891. In the same year affiliation was entered into with the University of Toronto. For curriculum, see p. 250. For details as to laboratory and other courses, preliminary qualifications, etc., see Annual Announcement of the College, which may be had by addressing Isaac T. Lewis, Registrar-Treasurer, Ontario College of Pharmacy, Toronto, Ontario.

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### The Faculty.

CHARLES F. HEEBNER, PH.G. (N.Y.), PHM.B. (Tor.), *Dean, Professor of Pharmacy, Pharmaceutical Chemistry and Dispensing, Director of Pharmaceutical Laboratory.*

A. Y. SCOTT, B.A. (Tor.), M.D., C.M. (Trin.), *Professor of Analytical Chemistry and Botany, Director of Chemical Laboratory.*

J. T. FOTHERINGHAM, B.A., M.B. (Tor.), M.D., C.M. (Trin.), *Professor of Materia Medica and Pharmacognosy.*

GRAHAM CHAMBERS, B.A., M.B. (Tor.), *Professor of Chemistry, Physics and Toxicology.*

WALTER B. KENDALL, PHM. B. (Tor.), *Demonstrator of Pharmacognosy.*

## Ontario Agricultural College.

The institution known as the "Ontario Agricultural College and Experimental Farm" is situated about a mile to the south of the city of Guelph, in the centre of an extensive agricultural and noted stock-raising district, readily accessible by rail from all parts of the Province. The farm consists of 550 acres, about 400 of which are cleared. It is composed of almost every variety of soil, and hence is well suited for the purpose for which it was selected.

The instruction given at the institution is embraced under two heads, a course of study and a course of apprenticeship. The latter is required of all First and Second year students in the autumn, winter and spring terms, during which they are employed in rotation in each of six departments of practical farm labor. The regular course of study is for two years, at the end of which time an Associate Diploma is granted by the College.

Students who reach a certain standing in the theoretical and practical work of the Associate Course may remain two years longer, with a view to obtaining the degree of Bachelor of the Science of Agriculture (B.S.A.) in the University of Toronto, with which Institution the Agricultural College has been affiliated for advanced examinations and degrees since 1888. For curriculum, see page 252.

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### Staff.

JAMES MILLS, M.A., LL.D., *President.*

C. A. ZAVITZ, B.S.A., *Director of Field Experiments.*

H. H. DEAN, B.S.A., *Professor of Dairy Husbandry.*

J. H. REED, V.S., *Professor of Veterinary Science.*

J. B. REYNOLDS, B.A., *Professor of Physics and Lecturer in English.*

G. E. DAY, B.S.A., *Professor of Agriculture and Farm Superintendent.*

- WM. LOCHHEAD, B.A., M.S., *Professor of Biology and Geology.*  
H. L. HUTT, B.S.A., *Professor of Horticulture.*  
F. C. HARRISON, B.S.A., D.P.H., *Professor of Bacteriology.*  
R. HARCOURT, B.S.A., *Professor of Chemistry.*  
M. W. DOHERTY, B.S.A., M.A., *Associate-Professor of Biology.*  
W. P. GAMBLE, B.S.A., *Associate-Professor of Chemistry.*  
M. CUMMING, B.A., B.S.A., *Associate-Professor of Agriculture.*  
W. J. RUTHERFORD, *Dean of Residence and Instructor in English and Mathematics.*  
H. STREIT, D.V.M., *Assistant in Bacteriology.*  
W. C. GOOD, B.A., *Assistant in Chemistry.*  
ALICE ROWSOME, B.A., *Assistant in Library and Instructor in French and German.*  
W. R. GRAHAM, B.S.A., *Manager and Instructor in Poultry Department.*  
G. A. MCCALLA, B.S.A., *Fellow in Physics.*  
T. JARVIS, B.S.A., *Fellow in Biology.*  
P. HODGETTS, B.S.A., *Fellow in Horticulture.*  
H. R. ROWSOME, *Lecturer in Apiculture.*  
CAPTAIN W. CLARK, *Instructor in Drill and Gymnastics.*  
B. S. PICKETT, *Secretary.*  
S. SPRINGER, *Bursar.*

## The Toronto College of Music.

The Toronto College of Music, situated on Pembroke street, was incorporated in 1890, and was affiliated with the University of Toronto in the same year. A curriculum for examinations and Degree in Music in the University has been instituted (see p. 259). The course of study for graduation extends over a period of three years. For further particulars see the Annual Announcement of the College.

### Teaching Staff.

*Piano*—F. H. TORRINGTON, F. S. WELSMAN, T. C. JEFFERS, Mus. Bac., W. E. FAIRCLOUGH, F.R.C.O., MRS. SULLIVAN MALLON, MRS. FRED. LEE, MRS. ELSA MCPHERSON, MRS. R. A. HOWSON, MISS MARTIN, Mus. Bac., MISS ETHEL HUSBAND, Mus. Bac., MISS MANSFIELD, Mus. Bac., MISS MABEL TAIT, MISS ELEANOR KENNEDY, MISS FLORENCE GRAHAM, MISS JENNIE HAMILTON, MISS LILLIAN LANDELL, MISS EUGENIE MAXWELL, GEO. D. ATKINSON, FLORENCE TURNER, LAURA BBODIGAN, R. G. STAPELLS, PERSY S. HOOK, LILLIAN PORTER, ANGELE RUMPTH, CHAS. EGGETT, GERTRUDE ANDERSON.

*Organ*—F. H. TORRINGTON, W. E. FAIRCLOUGH, F.R.C.O., T. C. JEFFERS, Mus. Bac., MRS. R. A. HOWSON, GEO. D. ATKINSON, R. G. STAPELLS.

*Vocal*—F. H. TORRINGTON, H. N. SHAW, B.A., MISS FLORENCE GRAHAM, MRS. BROKOVSKI SMALL, MRS. R. A. HOWSON, T. C. JEFFERS, Mus. Bac., J. D. RICHARDSON, MISS ANNA WATSON.

*Theory*—F. S. WELSMAN, W. E. FAIRCLOUGH, F.R.C.O., T. C. JEFFERS, Mus. Bac., MISS MANSFIELD, Mus. Bac., GEO. D. ATKINSON.

*Violin*—F. C. SMITH, MR. DONVILLE, ADELE FLEURY.

*Viola*—W. J. OBERNIER.

*Violoncello*—HILDA RICHARDSON.

*Contra Basso*—J. GOWAN.

*Flute and Piccolo*—JOHN ROBSON.



*Oboe*—J. ALLEN.

*Clarinet*—J. DINEEN.

*Bassoon, Bass Clarinet*—J. JOHNSON.

*Cornet and Trumpet*—J. WALDRON.

*Horn*—T. SPACEY.

*Slide Trombone*—J. SLATER.

*Euphonium and Tuba*—F. R. SMITH.

*Tympani and Percussion Instruments*—C. RIDDY.

*Harp*—MRS. SULLIVAN MALLON.

*Mandolin, Guitar, Banjo*—GEO. SMEDLEY, Director College Ladies' Mandolin and Guitar Club.

*Quartette and Ensemble Playing*—F. H. TORRINGTON.

*Orchestral and Band Playing, and the Art of Conducting*—F. H. TORRINGTON, J. WALDRON.

*Church Music, Oratorio, Choir and Chorus Practice*—F. H. TORRINGTON, T. C. JEFFERS, Mus. Bac., W. E. FAIRCLOUGH, F.R.C.O.

*Musical History, Solfeggio and Sight Singing*—T. C. JEFFERS, Mus. Bac.

*The Art of Accompanying*—F. H. TORRINGTON.

*Elocution, Voice Oratory, Dramatic Art and Physical Culture*—H. N. SHAW, B.A.

## Toronto Conservatory of Music.

The Toronto Conservatory of Music, incorporated in 1886, is affiliated with the University of Toronto, and its buildings are situated at the corner of College street and University avenue.

Each season of forty weeks opens on September 1st, and closes with the following June. The courses of study for graduation extend over a period of three or more years, according to the proficiency of the student. Students are prepared for University Examinations leading to degrees in Music. According to the terms of affiliation existing between the Conservatory of Music and the University of Toronto, students who have passed the First and Second Examinations in Theory will be exempted from the First University Examination; and students holding the Theory Diploma of the Conservatory will be exempted from the First and Second University Examinations in Music. For particulars of these examinations see the curriculum, page 259, of this Calendar.

### Teaching Staff.

DR. EDWARD FISHER, J. D. A. TRIPP, A. S. VOGT, J. W. F. HARRISON, W. J. McNALLY, MISS EVA E. JANES, JULIA F. McBRIEN, HELEN WILDEMAN, DONALD HERALD, A.T.C.M., MAUD GORDON, A.T.C.M., SARA E. DALLAS, F.T.M.C., Mus. Bac., FRANCIS S. MORRIS, A.T.C.M., MRS. J. L. NICHOLS, EDITH MYERS, MAY L. KIRKPATRICK, A.T.C.M., MRS. ADELYN V. PARADIS, ANNIE JOHNSON, A.T.C.M., MRS. M. B. HEINRICH, EDMUND HARDY, F.T.C.M., Mus. Bac., NAPIER N. DURAND, F.T.C.M., OLA V. WILKINSON, A.T.C.M., BESSIE B. BURGER, ISABEL CHRISTIE, A.T.C.M., MABEL O'BRIEN, GRACE EMMETT, ALICE L. EVANS, ETHEL ROLLS, MADELINE SCHIFF.  
*Pianoforte.*

EDITH MYERS, A.T.C.M., and MRS. ADELYN V. PARADIS, *Kindergarten Music.*

A. S. VOGT, ALBERT HAM, Mus. Doc. (Trinity College, Dublin), F.R.C.O. (Eng.), L.T.C. (Lon.), J. W. F. HARRISON, T. ARTHUR BLAKELEY, SARA E. DALLAS, F.T.C.M., Mus. Bac., JESSIE C. PERRY, A.T.C.M., F. ARTHUR OLIVER, *Organ.*

RECHAB TANDY, ALBERT HAM, Mus. Doc., MRS. SUSIE RYAN-BURKE,  
 MRS. NORMA REYNOLDS-REBURN, A. T. CRINGAN, M.B., MRS. J.  
 W. BRADLEY, MARY E. NOLAN, BEATRICE WILSON, MRS. H. W.  
 PARKER, A.T.C.M., DORA MCMURTRY, ANNIE HALLWORTH, A.T.C.  
 M., S. MAJORIE RATCLIFFE, A.T.C.M., EMILY FINDLAY, *Singing*.

J. HUMFREY ANGER, Mus. Bac. (Oxon.), F.R.C.O. (Eng.), A. T. CRINGAN,  
 Mus. Bac., *Musical Theory, Harmony, Counterpoint, Canon and*  
*Fugue, Form in Composition, Instrumentation, Acoustics, etc.*

MRS. B. DRECHSLER ADAMSON, LINA ADAMSON, FRANK E. BLACHFÖRD,  
 LENA M. HAYES, A.T.C.M., RUBY DAKIN, *Violin or Viola*.

HENRY S. SAUNDERS, *Violoncello*.

Best available teachers for all orchestral instruments.

SANDFORD LEPPARD, *Pianoforte Tuning*.

L. N. WATKINS, *Guitar, Mandolin and Banjo*.

MISS LILLIE COTTAM, *Mandolin*.

S. H. PRESTON, A. T. CRINGAN, Mus. Bac., *Sight-Singing, Rudiments of*  
*Music, Elementary Musical Theory and Public School Music*.

W. H. SHERWOOD, *Examiner in Pianoforte*.

———, *School of Literature and Expression*.

JAMES L. HUGHES, *Pedagogy*.

INEZ NICHOLSON-CUTTER, *Head of Physical Department*.

GRACE ROBARTS, *Head of Domestic Art*.

GRACE H. HUNTER, B.A., *English*.

EVELYN WARD, *History*.

GERTRUDE DAVIES, *Literary Interpretation*.

Lectures on Musical History and Biography, Æsthetics of Music,  
 Analysis of Classical Works, Acoustics, Anatomy and Hygiene of the  
 Vocal Organs, Health Principles and other relevant subjects are deliv-  
 ered during the session.

## Ontario Veterinary College.

This institution was established in 1862, for the purpose of providing facilities for instructing in Veterinary Science. After various changes in buildings and equipment, necessitated by the increasing number of students, the present College building, situated at 40 Temperance street, was erected in 1889. Affiliation with the University of Toronto took place in 1897. A curriculum of study leading to a degree is under consideration by the Senate.

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### The Faculty.

PROFESSOR ANDREW SMITH, V.S., Edin., F.R.C.V.S., and HON. ASS. R.C.V.S. (Principal), *Diseases of Domesticated Animals.*

GRAHAM CHAMBERS, B.A., M.D., *Veterinary Materia Medica.*

JOHN A. AMYOT, M.B., *Animal Physiology.*

PROFESSOR ANDREW SMITH, V.S., and ASSISTANTS, *Clinical Instructors.*

W. J. O. MALLOCH, B.A., M.B., *Chemistry.*

J. T. DUNCAN, M.D., V.S., HON. ASS. R.C.V.S., *Anatomy.*

D. KING SMITH, M.B., *Pathology and Normal Histology.*

C. H. SWEETAPPLE, V.S., *Veterinary Obstetrics and Diseases of Cattle.*

W. J. R. FOWLER, V.S., *Demonstrator of Anatomy.*

D. KING SMITH, M.B., *Practical Microscopy and Bacteriology.*





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## APPENDIX.

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## The University of Toronto.

### REGISTER OF STUDENTS, 1901-1902.

#### A. Students in Arts at the University of Toronto.

##### University College.

\*Indicates that the student attended in the Michaelmas term only ; †in the Easter term only ; ‡dispensation during the session.

#### First Year.

|                                   |                                   |
|-----------------------------------|-----------------------------------|
| Ackerman, Miss E....Peterborough  | Cowan, Miss M. L.....Drumbo       |
| Archibald, E. J.....Clinton       | Craig, A. ....Kenmore             |
| Arms, Miss A. G.....Toronto       | Currie, J. ....Nottawa            |
| Armstrong, Miss M. G.....         | Currie, L. H.....Nottawa          |
| .....Prince Albert, Ont.          | Dallas, A. M.....Thedford         |
| Bagshaw, Miss L. C..Cannington    | Davidson, E. ....Beachburg        |
| Balfour, G. B.....Toronto         | Davidson, G. A.....Toronto        |
| Barclay, W. P.....Petrolea        | Davis, Miss M.....King            |
| Beal, W. A.....Toronto            | DeLury, J. S.....Manilla          |
| Beatty, Miss E. A. E....Fergus    | Dickson, Miss V. W.....Toronto    |
| Bennett, Miss C.....Kingsville    | Duncan, Miss E. A.....Weston      |
| Bilkey, C. L.....Toronto          | Egbert, Miss E.....Milverton      |
| Bitzer, A. L.....Berlin           | Elliott, Miss F. C.....Toronto    |
| Black, W. H.....Toronto           | Elliott, Miss I.....Toronto       |
| Boland, J. F.....Toronto          | Ellis, R. C.....Toronto           |
| Boyd, E. ....Toronto              | Ewing, Miss E.....Hawkesbury      |
| ‡Brown, G. A.....Warton           | †Farrill, Miss I. L..Kenilworth   |
| Buchanan, Miss O. M....Goderich   | Fidlar, Edw. ....Toronto          |
| Callaghan, Miss M. B....Toronto   | Fowler, C. H.....Colborne         |
| Cameron, A. C.....Gibraltar       | Fraser, A. ....                   |
| Campbell, D. A..Toronto Junction  | .....Onion Lake, Sask., N.W.T.    |
| Carpenter, Miss L. M..Collingwood | French, C. A.....Mount Albert     |
| Carroll, Miss L.....Toronto       | Gordon, J. W.....Rockwood         |
| Carruthers, A. L.....Lucasville   | †Grant, Miss J. A. ...Stratford   |
| Carruthers, Miss G. M....Avening  | Gurney, E. H.....Toronto          |
| Cassidy, Miss I. C.....Toronto    | Gzowski, N. G.....Toronto         |
| Clerke, C. H.....Toronto          | Hallam, W. T.....Toronto          |
| Colborne, Miss M. G....Goderich   | Hally, Miss I. O.....Toronto      |
| Cole, E. C.....Toronto            | Hamilton, G. P.....Toronto        |
| †Coleman, D. H. ....Trenton       | Harrison, Miss F. P. V..Thorndale |
| †Cook, Miss L. ....Gordonville    | Harvey, Miss Ida....Todmorden     |
| Cooke, H. P.....Uxbridge          | Harrison, R. L.....Grimsby        |
| Cooke, J. H.....Toronto           | Haslam, H. L..Springfield, P.E.I. |
| Copeland, Miss E....Collingwood   | Heightington, A. C.....Toronto    |
| Cowan, D. J.....Drumbo            | Henderson, E. M. ....Toronto      |

## First Year—Continued.

|                             |                 |                                   |                  |
|-----------------------------|-----------------|-----------------------------------|------------------|
| Heyd, C. G. ....            | Brantford       | †Maclaurin, Miss M. G. ....       | Toronto          |
| Hoover, Miss O. ....        | Stouffville     | McLean, Miss M. C. ....           | Hamilton         |
| Hopkins, F. H. ....         | Lindsay         | McPhedran, W. F. ....             | Toronto          |
| Hore, R. E. ....            | Toronto         | Nagle, C. F. ....                 | St. Mary's       |
| Huntsman, A. G. ....        | Tintern         | Newman, Miss L. E. St. Catharines |                  |
| Jackson, M. H. ....         | Cottam          | O'Brien, A. W. ....               | Rochester, N.Y.  |
| Jamieson, J. S. ....        | Clyde           | Oldright, Miss M. W. ....         | Toronto          |
| Jennings, W. A. ....        | Toronto         | Pentecost, Miss C. M. ....        | Toronto          |
| *Jermyn, J. W. ....         | Warton          | Phillips, T. A. ....              | Arthur           |
| Johnston, A. J. ....        | Dartmouth, N.S. | Portch, A. G. ....                | Toronto          |
| Junkin, Miss H. R. ....     | Toronto         | Preston, W. B. ....               | Brantford        |
| Kay, J. R. ....             | Norwich         | Quinn, Miss E. ....               | Toronto          |
| Ketcheson, Miss B. ....     | Toronto         | Rathbun, L. M. ....               | Deseronto        |
| Kirby, F. B. ....           | Stouffville     | Reade, R. C. ....                 | Toronto          |
| Laing, J. M. ....           | Guelph          | †Reid, Miss M. E. ....            | Orangeville      |
| Lancaster, H. M. ....       | Burgessville    | Robinson, A. R. ....              | Claude           |
| Leask, D. R. ....           | Toronto         | †Rowland, Miss E. ....            | Toronto          |
| Lemon, Miss M. ....         | Toronto         | Ryerson, Miss C. G. S. ....       | Orillia          |
| Lent, Miss E. W. ....       | Elmvale         | Scott, Miss L. ....               | Toronto          |
| Leslie, N. V. ....          | Hamilton        | Scott, Miss M. E. ....            | Brantford        |
| Logan, Miss Jessie. ....    | Niagara Falls   | Sellery, Miss B. G. ....          | Kincardine       |
| Loudon, Miss I. M. ....     | Toronto         | Sheppard, Miss J. E. ....         | Toronto          |
| Loudon, T. R. ....          | Toronto         | Sherry, J. C. ....                | Norwood          |
| Love, Miss I. C. ....       | London          | Shortreed, Miss M. F. ....        | Toronto          |
| Lucas, E. A. ....           | Kaslo, B.C.     | Smith, A. I. ....                 | Toronto          |
| Magee, Miss P. A. ....      | Toronto         | Sootheran, H. C. ....             | Lindsay          |
| Manson, A. M. ....          | Kilmartin       | Southworth, Miss H. ....          | Toronto          |
| Martin, J. A. ....          | Toronto         | Speirs, T. E. ....                | Mount Forest     |
| Mason, D. H. C. ....        | Toronto         | Stark, N. B. ....                 | Toronto          |
| Matheson, D. C. ....        | Armow           | Steele, Miss F. E. ....           | Georgetown       |
| Meador, F. D. ....          | Orillia         | *Stephenson, Miss N. M. ....      |                  |
| Miller, J. G. ....          | Greenbank       | .....                             | Wellington, B.C. |
| Mitchell, R. M. ....        | Toronto         | Stewart, A. C. ....               | Cobourg          |
| Moore, W. E. ....           | Toronto         | Stewart, D. ....                  | Ottawa           |
| Morrison, E. ....           | Orillia         | Stewart, R. B. ....               | St. Thomas       |
| Munro, J. D. ....           | Toronto         | Strong, Miss M. K. ....           | Hamilton         |
| McAlpine, Miss M. ....      | Toronto         | Thompson, Miss F. A. ....         | Ingersoll        |
| †McCarthy, J. J. ....       | Hastings        | Thompson, J. S. ....              | Picton           |
| †McConnell, Miss E. M. .... | Toronto         | Thomson, H. U. ....               | Owen Sound       |
| †MacCurdy, Miss H. R. ....  | Toronto         | Traill, J. J. ....                | Toronto          |
| Macdonald, W. B. ....       | Toronto         | Upshall, B. A. ....               | Nortonville      |
| MacDonald, W. D. ....       | Riversdale      | Waddell, R. R. ....               | Orono            |
| MacDougall, Miss S. M. .... | Toronto         | Wagner, Miss E. ....              | Toronto          |
| McEvoy, A. N. ....          | Toronto         | Walkinshaw, C. A. ....            | Toronto          |
| McGoey, J. ....             | Tottenham       | Wallbridge, Miss H. M. ....       |                  |
| McHardy, Miss F. M. ....    | Toronto         | .....                             | Bowmanville      |
| McKay, A. G. ....           | Lucknow         | Washburn, C. F. ....              | Chesley          |
| McKay, D. A. ....           | Kintore         | Watt, F. T. ....                  | Guelph           |
| McKay, W. J. ....           | Petrolia        | Whitty, H. F. W. ....             | Toronto          |
| McKenna, Miss H. L. ....    | St. Thomas      | Williams, Miss H. L. ....         | Toronto          |
| MacKenzie, Miss A. B. ....  | Ottawa          | Williams, R. A. ....              | Ingersoll        |
| MacKenzie, Miss S. C. ....  | Kirkfield       | Williams, V. H. ....              | Farnham, Que.    |
| †McKinnon, Miss J. C. ....  | Glencoe         | Wilson, Miss R. E. A. ....        | Toronto          |
| MacKinnon, R. B. ....       | Grimsby         | Wilson, S. ....                   | Arden, Man.      |
| MacLaughlin, J. ....        | Toronto         | Wooster, Miss A. ....             | St. Thomas       |



## Second Year.

|                           |                   |                         |                         |
|---------------------------|-------------------|-------------------------|-------------------------|
| Allan, Miss M. W.....     | Toronto           | Idington, Miss M.....   | Galt                    |
| Anderson, Miss J. I.....  | London            | James, W. G.....        | Lawrencetown, N.S.      |
| Andrews, W. H.....        | Keene             | Jamieson, C. R.....     | Blenheim                |
| Ault, W. A.....           | Barrie            | Jaques, W. C.....       | Port Rowan              |
| Baird, R. ....            | Wick              | John, Miss A.....       | Extension, B.C          |
| Ballard, G. W. M.....     | Hamilton          | Kerr, Miss A. I.....    | Toronto                 |
| †Bauer, Miss G. B. ....   | Hamilton          | King, W. H.....         | Oshawa                  |
| Biggs, R. L.....          | Toronto           | Lafferty, A. L.....     | Sandwich                |
| Brown, Miss E. E.....     | Bloomfield        | Latter, H. H.....       | Doncaster               |
| Brown, Miss H. R.....     | Medina            | Latter, Miss H. M....   | Doncaster               |
| Bryce, G. P.....          | Bracondale        | Lloyd, S. J.....        | Hamilton                |
| Buck, Miss H. G.....      | Lindsay           | Lowish, F. H.....       | Lakelet                 |
| †Carter, Miss I. M. C.... | Toronto           | †Mason, J. A. C. ....   | Stratford               |
| Clark, G. T.....          | Campbellford      | Mather, J. W.....       | Weston                  |
| Coleman, L. C....         | Spokane, Wash.    | Menten, Miss M. L.....  |                         |
| Collins, H. E.....        | St. Catharines    | .....                   | Harrison River, B.C.    |
| Collins, W. H.....        | Chatsworth        | Moir, Miss M. I.....    | Hamilton                |
| Cooke, Miss D. J.....     | Toronto           | Montague, P. J.....     | Hamilton                |
| Cornell, Miss M. B.....   | Scarboro          | Moore, H. C.....        | Delhi                   |
| Crampton, Miss D. M....   | Windsor           | Moore, J. M.....        |                         |
| Creelman, J. J.....       | Toronto           | .....                   | Sault Ste. Marie, Mich. |
| Crystal, D. S.....        | Toronto           | Moore, S. E.....        | Clarksburg              |
| Davidson, A. G.....       | Avonton           | Morrish, Miss C. W..... | Toronto                 |
| Dawes, H. F.....          | Woodstock         | McAllister, A. B.....   | Cobourg                 |
| Dickson, E. C.....        | Orillia           | McCausland, J. A.....   | Brantford               |
| Dix, D. ....              | Woodbridge        | McClive, Miss A. H.     | St. Catharines          |
| Doherty, G. F. B.....     | St. Thomas        | McCracken, H. R.....    | Toronto                 |
| Duncan, Miss K. M.        | Thamesville       | Macdonald, D. A.....    | Glenarm                 |
| Dushman, S. ....          | Toronto           | McElroy, R. W.....      | Toronto                 |
| Eedy, L. A.....           | St. Thomas        | McEown, C. ....         | Toronto                 |
| Elliott, G. R.....        | London            | McFarlane, J. B.....    | Claremont               |
| Fairty, I. S.....         | Toronto           | McGarvin, M. J.....     | Chatham                 |
| †Fawcett, T. A. ....      | Port Dover        | McGill, Miss E. M.....  | Ottawa                  |
| Featherston, J. E.....    | Streetsville      | MacGregor, D. C.....    | Johnson                 |
| Filshie, Miss M. W.       | Mount Forest      | McIntyre, E. A.....     | Toronto                 |
| Firth, J. W.....          | Edge Hill         | McKee, G. W.....        | Oldcastle               |
| Fleming, R. S.....        | Owen Sound        | McKinley, Miss C. B.... | Seaforth                |
| Forbes, J. M.....         | Caledonia         | †McLachlan, Miss C. F.. | Toronto                 |
| Foulds, A. ....           | Toronto           | McLaren, A. K.....      | Guelph                  |
| Fraser, Mrs. W. H.....    | Toronto           | McMurtry, Miss C. N.... | Toronto                 |
| Gibson, Miss E. F.....    | Cayuga            | McQuesten, L. B.....    | Hamilton                |
| †Gilbert, W. E. ....      | Southampton       | Maetaggart, W. A.....   | Nobleton                |
| Gilchrist, L. ....        | Chatsworth        | Neff, Miss D.....       | Ingersoll               |
| †Glenn, R. R.....         | Chatsworth        | Neilson, Miss J. A..... |                         |
| Goldie, T. L.....         | Guelph            | .....                   | Calgary, Alta., N.W.T.  |
| Greig, W. C.....          | Almonte           | Norton, Miss S. G.....  |                         |
| Grohn, R. B.....          | St. Catharines    | .....                   | Amesbury, Mass., U.S.A. |
| Grosch, S. P.....         | Milverton         | Norton, T. W. F.....    | Listowel                |
| Guthrie, Miss P. L.....   | Toronto           | O'Leary, H. G.....      | Lindsay                 |
| Hardy, E. ....            | Toronto           | Overend, F. C.....      | Empire                  |
| Harrison, W. N.....       | Glencoe           | Park, T. D.....         | Banks                   |
| Hayes, E. T.....          | Beeton            | Parker, J. G.....       | Cayuga                  |
| Hindson, Miss A. M....    | Toronto           | Paulin, J. B.....       | Arthur                  |
| Hogg, A. B.....           | Toronto           | †Perry, R. J. W.....    | Linton                  |
| Hull, J. D....            | Guysborough, N.S. | Rankin, Miss A. B.....  | Toronto                 |

## Second Year—Continued.

|                             |                |                          |             |
|-----------------------------|----------------|--------------------------|-------------|
| Ross, Alex.....             | Sarnia         | Taylor, W. R.....        | Port Dover  |
| Ross, A. G.....             | Toronto        | Thomson, Miss N. M.....  | Owen Sound  |
| Ross, Miss D. J.....        | Woodstock      | Thornton, P. B.....      | Omeme       |
| Rowan, F. W.....            | Omeme          | Tuckett, Miss E. C.....  | Markham     |
| Rowan, Miss G. L.....       | Toronto        | Urquhart, Miss M. M..... | Oakville    |
| Rutter, F. M.....           | Toronto        | Vance, W. H.....         | Ida         |
| Sadlier, J. F.....          | Strathroy      | Vanston, W. J. K.....    | Sarnia      |
| Sarkissian, S. H.....       | Aintab, Turkey | Wallis, W. A.....        | Toronto     |
| Schaef, G. A.....           | London         | Ward, Miss E. H.....     | Hamilton    |
| Scott, G. F.....            | Toronto        | Wesley, T. M.....        | Newmarket   |
| Scott, W.....               | Strathroy      | White, J. H.....         | Snelgrove   |
| Sharrard, J. A.....         | Uxbridge       | Wilkie, Miss M. F.....   | Toronto     |
| Shaw, R.....                | Toronto        | Williams, W. R.....      | Clandeboyne |
| Smith, J. A.....            | Harriston      | Willman, W. L.....       | Brantford   |
| Snively, A. C.....          | Toronto        | Wilson, A. D.....        | Dundas      |
| Streight, Miss B. H. A..... | Islington      | Woodland, V. O.....      | Ottawa      |
| Tackaberry, W. H.....       | Kemptville     | Workman, James G.....    | Lindsay     |
| Tate, Miss M. E.....        | Toronto        | Wright, Miss A. S.....   | Britannia   |
| Taylor, P.....              | Hamilton       |                          |             |

## Third Year.

|                            |                   |                          |                |
|----------------------------|-------------------|--------------------------|----------------|
| Allan, C. J.....           | Guelph            | Fortner, Miss T. G.....  | Welland        |
| Armstrong, C. H.....       | Campbellford      | Fraser, Miss J. A.....   | St. Thomas     |
| Baird, W. J.....           | Wick              | Gaby, R. E.....          | Toronto        |
| Bell, H. C.....            | Hamilton          | Gibson, J. G.....        | Hamilton       |
| Biggs, S. P.....           | Toronto           | Gillies, D. B.....       | St. Thomas     |
| Bovell, Miss H.....        | Toronto           | Gladney, E. M.....       | Marmora        |
| Breuls, Miss L. M.....     | Sydenham          | Glass, R. S.....         | Kincardine     |
| Broadfoot, F. W.....       | Guelph            | Glass, Miss E. M. K..... | Toronto        |
| Briggs, Miss A. M.....     | Toronto           | Graham, T. W.....        | Ottawa         |
| Brown, A. G.....           | Caledonia         | Hay, E. A.....           | Paisley        |
| Brown, Miss F. E.....      | Toronto           | Hendrie, W. E.....       | London         |
| Cameron, Miss R. H.....    | Toronto           | Hill, H. D.....          | St. Thomas     |
| Carr, Henry.....           | Oshawa            | Honeywell, A. E.....     | Mosgrove       |
| Carter, G. W.....          | Guelph            | Hoyle, H. L.....         | Toronto        |
| Chadsey, S. B.....         | Wellington        | Hughes, E. F.....        | Clarke         |
| Clarke, C. E.....          | Toronto           | Hunter, H. T.....        | Toronto        |
| Cohen, A.....              | Toronto           | Jennings, E. W.....      | West Flamboro  |
| Colquhoun, C. M.....       | Morrisburg        | Johnson, Miss L. B.....  | Strathroy      |
| Dalton, Miss F. E.....     | Toronto           | Kerr, H. L.....          | Woodstock      |
| Darling, H. M.....         | Schenectady, N.Y. | Killmaster, F. G.....    | Port Rowan     |
| Day, W. H.....             | Powle's Corners   | Kingston, W. F.....      | Aylmer         |
| DeLury, R. E.....          | Manilla           | Lemon, Miss A. M.....    | Harriston      |
| Dickson, Miss E. M.....    | Seaforth          | Livingston, W. W.....    | Listowel       |
| Dickson, Miss J. G.....    | Seaforth          | Loeser, I. N.....        | Toronto        |
| Dixon, W. E.....           | Milton            | Long, Miss M.....        | Toronto        |
| Dodge, W. G.....           | Toronto           | Lorrimer, J. G.....      | Thorold        |
| Douglas, C.....            | Listowel          | Loudon, J. D.....        | Toronto        |
| Dwyer, Miss M. J.....      | Toronto           | Lough, Miss M. C.....    | Clinton        |
| File, L. K.....            | Ameliasburg       | Meek, T. J.....          | Port Stanley   |
| Fleming, Miss C. S. A..... | Markham           | Megan, F. P.....         | Stratford      |
| Fletcher, Miss B. L.....   | Port Perry        | Miller, Miss E.....      | St. John, N.B. |
| Forrester, D.....          | Aberdour          | Miller, F. R.....        | Toronto        |

## Third Year—Continued.

|                           |                |
|---------------------------|----------------|
| Millichamp, Miss M. G.    | Toronto        |
| Mode, A. T.               | Vankleek Hill  |
| Moorhouse, A. C.          | Toronto        |
| Morrison, W.              | Hamilton       |
| Mott, Miss C. L.          | Norwich        |
| Munn, F. J.               | Toronto        |
| Munro, F. R.              | Auburn         |
| Munro, Miss M. K.         | Toronto        |
| McBain, J. W.             | Port Dover     |
| McCutcheon, Miss E. L. F. | Thorndale      |
| McDonald, Miss M.         | Walton         |
| Macdougall, M.            | Ottawa         |
| McEvoy, J. A.             | L'Orignal      |
| McGarry, Miss M. L.       | St. Catharines |
| McGiffin, G. A.           | Toronto        |
| McGuire, W. H.            | Campbellford   |
| McIntyre, G. C.           | St. Mary's     |
| McKay, R. G.              | Kintore        |
| Mackay, W. M.             | Thamesford     |
| McKinnon, C.              | Port Elgin     |
| McLeod, Miss C. B.        | Fort William   |
| McNeil, H. M.             | Toronto        |
| McQueen, J. M.            | Salem          |
| New, C. W.                | Hamilton       |
| Nichol, W.                | Priceville     |
| Odell, W. H.              | Belmont        |
| O'Flynn, H. W.            | Madoc          |
| Parsons, H. C.            | Toronto        |
| Pringle, Miss G.          | Whitby         |
| Rae, Miss E. G.           | Port Perry     |
| Read, E. R.               | Brantford      |
| Reid, J. E.               | Ospringe       |
| Reikie, T. T.             | Wiaronto       |
| Riddell, Miss E. R.       | Toronto        |
| Robertson, G. A.          | Mt. Brydges    |
| Ross, J. C.               | Embro          |
| Russell, C. H.            | Exeter         |
| Schulter, J. L.           | Hamilton       |
| Seldon, Miss L. M.        | Toronto        |
| Sexsmith, W. N.           | Glencoe        |
| ±Smith, W. H.             | Beachville     |
| Sprung, W. L.             | Hilton         |
| Summers, Miss E.          | Toronto        |
| Sutherland, Miss N. A.    | Toronto        |
| Sutherland, J. W.         | Fingal         |
| Thomson, Andrew           | Owen Sound     |
| Thomson, Arthur           | Bendale        |
| Thomson, J. C.            | Owen Sound     |
| Treadgold, W. M.          | Brampton       |
| Waduell, Miss M. E. G.    | Orono          |
| Wadds, M. R.              | Toronto        |
| Walker, J. I.             | Toronto        |
| Wallace, H. G.            | St. Thomas     |
| Watson, J. L.             | Tara           |
| Weir, Miss E. H.          | Toronto        |
| Wilkie, W. M.             | Toronto        |
| Wilson, Miss M. A.        | Toronto        |
| Woods, Miss M.            | Toronto        |
| Young, Miss B.            | Toronto        |
| Younie, J. A.             | Woodstock      |

## Fourth Year.

|                        |                 |
|------------------------|-----------------|
| Addison, W. H. F.      | Toronto         |
| Akers, Miss G.         | Toronto         |
| Allison, W. L.         | Stardale        |
| Amos, Miss F. R.       | Aurora          |
| Amos, W. A.            | Woodstock       |
| Archer, Miss M. A.     | Petrolea        |
| Armstrong, A. E.       | Toronto         |
| Bell, Miss J. M.       | Tavistock       |
| Bell, J. M.            | Toronto         |
| Bell, J. R.            | Clinton         |
| Bennett, Miss A. M.    | St. Thomas      |
| Bibby, Miss M. V.      | Brighton        |
| Blackstock, W. G.      | Toronto         |
| Boyle, A. M.           | Waldemar        |
| Bray, W. C.            | Vancouver, B.C. |
| Broder, F. H.          | Morrisburg      |
| Brown, T. E.           | Kinkora         |
| ±Cameron, Miss C. A.   | Toronto         |
| Campbell, Miss A.      | London          |
| Campbell, D. G.        | Harrington      |
| Campbell, Miss L. E.   | Keene           |
| Chipman, A. L.         | Berwick, N.S.   |
| Clappison, F. P.       | Hamilton        |
| Cochrane, A. R.        | Toronto         |
| Cochrane, R. B.        | Toronto         |
| Coffin, E. A.          | Denver, Colo.   |
| Craick, W. A.          | Port Hope       |
| Cranston, D. L.        | Caledon East    |
| Cunningham, Miss E. G. | London          |
| Cunningham, J. W.      | Toronto         |
| Dickinson, R. J.       | Allenwood       |
| Downing, Miss M.       | Fournier        |
| Dredge, Miss D. E.     | Toronto         |
| Easson, Miss J. M.     | Toronto         |
| English, S. N.         | London          |
| Fox, J. F.             | Lucan           |
| ±Fulton, W. J.         | Toronto         |
| Gould, C. I.           | Cobourg         |
| Grant, A. W.           | Moose Creek     |
| Gray, N. R.            | Ailsa Craig     |

## Fourth Year—Continued.

|                          |                  |                          |                      |
|--------------------------|------------------|--------------------------|----------------------|
| Green, W. T.....         | Agincourt        | McRae, C. A.....         | Toronto              |
| Hamilton, A. E.....      | Toronto          | Nairn, Miss I.....       | Toronto              |
| Hamilton, R. J.....      | Sand Hill        | Nelles, R. B.....        | Toronto              |
| Harris, Miss R. H.....   | .....            | Nichol, W. L.....        | Wilton Grove         |
| .....                    | New York, U.S.A. | Oliver, E. H.....        | Eberts               |
| Hedley, James W.....     | Denfield         | Paterson, E. R.....      | Toronto              |
| Hodgson, G. S.....       | Toronto          | Peers, Miss E. L. E....  | Woodstock            |
| Honeywell, F. H.....     | Westboro         | Phelan, T....            | O'Sullivan's Corners |
| Houston, Miss J.....     | Chatham          | Phillips, Miss M. M..    | Rat Portage          |
| Hughes, Miss J. M.....   | Toronto          | Phipps, F. H.....        | Fullarton            |
| Ingram, W. H.....        | St. Thomas       | Power, J. J. ....        | Halifax, N.S.        |
| Isbester, A. J.....      | Ottawa           | Robinson, Miss E. A..... | .....                |
| Justice, A. C.....       | Thorold          | .....                    | St. Catharines       |
| King, Miss B.....        | Whitby           | Roebuck, J. R.....       | Toronto              |
| Klotz, W. C.....         | St. Catharines   | Rolph, A. H.....         | Toronto              |
| Lang, H. ....            | Eagle            | Ross, Miss F. H.....     | Whitby               |
| Langlois, Miss M. H....  | Toronto          | Rutherford, W. H.....    | Sand Hill            |
| Little, W. H.....        | London           | Seldon, Miss E. G.....   | Toronto              |
| Long, Miss A.....        | Toronto          | Simpson, E. ....         | Mooresville          |
| Long, Miss E.....        | Toronto          | Sims, Miss R. M.....     | Toronto              |
| Lougheed, W. J.....      | Forest           | Smillie, R. ....         | Bluevale             |
| Magee, A. A.....         | London           | Smith, C. C.....         | Brampton             |
| Marriott, Miss E.....    | Toronto          | Smith, G. E.....         | Toronto              |
| Marshall, J. R.....      | Palermo          | Soule, J. A. ....        | Niagara Falls South  |
| Marshall, Miss M. E..... | Toronto          | Starr, Miss S. J.....    | Newmarket            |
| Martin, J. A.....        | Exeter           | Steele, S. G.....        | Toronto              |
| Mason, Miss L. E.....    | Toronto          | Stewart, Miss A. V....   | Toronto              |
| May, Miss A.....         | Toronto          | Stewart, Miss E. P....   | Toronto              |
| Moore, J. C.....         | Moore Park       | Stewart, John H.....     | Toronto              |
| McDiarmid, F. A.....     | Fingal           | Stewart, R. M.....       | Sandringham          |
| Macdonald, Miss M. A..   | Glenarm          | Stratton, R. D.....      | Toronto              |
| McFarland, G. F.....     | Toronto          | Symington, H. J.....     | Sarnia               |
| McFarlane, W. G.....     | Claremont        | Tapscott, Miss C. I....  | Port Hope            |
| McGregor, J. P.....      | Toronto          | Thompson, G. A.....      | St. Mary's           |
| McHugh, M. W.....        | Streetsville     | Walker, W. O.....        | Ingersoll            |
| MacKenzie, E. W.....     | Galt             | Wallace, H. T.....       | Hamilton             |
| McKinley, Miss A. R....  | Seaforth         | Wilson, C. L.....        | Toronto              |
| Mackintosh, J. C.....    | Madoc            | Woodroffe, R. W.....     | Woodstock            |
| MacLean, John .....      | Lucknow          | Younge, R. J.....        | Glencoe              |
| McMahan, Miss M. M....   | London           |                          |                      |

## Graduate Students.

|                         |           |                           |         |
|-------------------------|-----------|---------------------------|---------|
| Angus, Mrs. M. L.....   | Toronto   | Millman, R. M.....        | Toronto |
| Beal, N. R.....         | Toronto   | Macdougall, Miss B. H.... | Toronto |
| Cooper, G. ....         | Toronto   | McPherson, J. L.....      | Forest  |
| Crane, Miss A. E.....   | Toronto   | Robertson, Miss J. T. A.. | Toronto |
| Davidson, D. J.....     | Belhaven  | White, Miss B. B.....     | Toronto |
| Harrison, Miss C. M.... | Uniondale | Wicher, Miss F. M.....    | Toronto |
| Mason, Miss L. M.....   | Toronto   | Young, Miss A. M.....     | Toronto |



## Candidates for Ph.D.

|                              |                           |            |
|------------------------------|---------------------------|------------|
| Benson, Miss C. C., B.A..... | Firth, W. P., B.A.....    | Pickering  |
| ..... Port Hope              | Fraser, C. M., B.A.....   | Bluevale   |
| Carr, W. R., B.A.....        | McNairn, W. H., M.A.....  | Toronto    |
| Painswick                    | Murison, R. G., M.A.....  | Toronto    |
| Carson, C. M., B.A.....      | Nasmith, G. G., B.A.....  | Toronto    |
| London                       | Robinson, T. R., B.A..... | Toronto    |
| Chrysler, M. A., B.A.....    | Taylor, W. E., B.A....    | St. Mary's |
| ..... Toronto Junction       | Thomson, R. B., B.A..     | Toronto    |
| Davidson, R., M.A.....       |                           |            |
| Ayr                          |                           |            |
| Eakins, T., M.A.....         |                           |            |
| Guelph                       |                           |            |
| Faskin, G. R., B.A.....      |                           |            |
| Toronto                      |                           |            |

|   |     |
|---|-----|
| Number of students in the First year.....   | 173 |
| Number of students in the Second year ..... | 143 |
| Number of students in the Third year.....   | 124 |
| Number of students in the Fourth year.....  | 117 |
| Number of graduate students.....            | 14  |
| Number of candidates for Ph.D.....          | 15  |
| Total .....                                 | 589 |

## Victoria University.

## Post Graduates.

Brown, Wm. Thos., B.A. . . . Hopetown  
 Burwash, Edward M., M.A. . . . Toronto  
 Carscallen, Charles R., B.A. . . . Dresden  
 Chown, Miss Susie A., B.A. . . . Toronto  
 Currelly, Chas. Trick, M.A. . . . Toronto  
 Dalglish, R. W., B.A. . . . Huntingdon, Que.  
 Danard, Miss Fausta A., B.A. . . . Hepworth  
 Farewell, Frances Lev., B.A. . . . Drayton  
 Farrell, Allan C., B.A. . . . Kincardine  
 Hagar, Arthur Edmunds, B.A. . . . Acton  
 Hodgins, Elmore J., B.A. . . . Clandeboye

Kyle, Miss Margaret, B.A. . . . Toronto  
 Leech, Wm. H. C., B.A. . . . . Toronto  
 Misener, Austin P., M.A. . . . . Toronto  
 Powell, Gideon L., B.A. . . . . Toronto  
 Price, Thos. W., B.A. . . . . Newburgh  
 Rowell, Miss M. C., B.A. . . . . London  
 Ruddell, Thos. Wm., B.A. . . . . Toronto  
 Spear, Elwood B., B.A. . . . . Toronto  
 Stewart, James L., B.A. . . . . Essex  
 Walker, Charles W., B.A. . . . . Kingston  
 Wood, Wm. H., B.A. . . . Dixon's Corners

## Fourth Year.

Allen, Miss Annie W. . . . Sault Ste. Marie  
 Archer, Wm. Robt. . . . . Trafalgar  
 Auger, Charles E. . . . . Elora  
 Beer, J. Herman . . . . . London  
 Bingham, Chas. B. . . . . Aylmer, Ont.  
 Carson, Egbert John . . . . . Charleville  
 Clarry, John Nelson . . . . . Toronto  
 Cooper, Jas. R. R. . . . . Brinston's Corners  
 Coulter, Joseph . . . . . London  
 Crockett, E. . . . . Sprucedale  
 Crux, Albert . . . . . Mimico  
 De Mille, Charles W. . . . . Brighton  
 Dobson, Frank Hopper . . . . Caledonia  
 Eckardt, Lisgar R. . . . . Unionville  
 Fowler, John Harry . . . . . Watford  
 Green, Thomas . . . . . Toronto

Haith, John M. . . . . Nelles Corners  
 Hamilton, Wilbert Hartley. . . Toronto  
 Hedley, John Whitfield . . . . Canfield  
 Helgason-Baldwin, O. P. . . . Parry Sound  
 Hughson, James E. . . . . Aylesford, N.S.  
 McLean, Miss Ella A. . . . . Spencerville  
 Moore, David Richard . . . . . Rossmount  
 Mortimore, Wm. John . . . . . London  
 Neville, Howard . . . . . Toronto  
 Rogers, W. P. . . . . Coboconk  
 Rumble, Isaac Albert . . . . . Alma  
 Stacey, Albert George . . . . Little Britain  
 Smith, Miss Kathrina . . . . . Toronto  
 Smith, Miss Annie Maria . . . . Whitby  
 Van Wyck, James Roy . . . . . Toronto  
 Ward, Miss Annie L. . . . . Lindsay

## Third Year.

Armstrong, Robert Cornell . . . . Ottawa  
 Bagshaw, Thomas Alfred . . . . . Toronto  
 Barber, Frank Louis . . . . . Otterville  
 Beatty, Miss Rosa V. . . . . Parry Sound  
 Bowles, Newton Ernest . . . . . Mono Road  
 Brett, Richard H. . . . . Alliston  
 Cullen, Miss Rose N. . . . . Toronto  
 Dingman, Russell G. . . . . Toronto  
 Dingwall, Miss Elleda Edna . . . Toronto  
 Eby, Miss Florence Mary . . . . Alliston  
 Ford, Arthur Rutherford . . . . . Forest  
 Forster, Ernest . . . . . Brampton  
 Glass, Robert S. . . . . Kincardine  
 Gray, G. Howard . . . . . Toronto  
 Hughes, Jacob Ira . . . . . Winchester  
 Irvine, Eldon Coulter . . . . . St. Mary's  
 Jolliffe, Ernest H. . . . . Bowmanville  
 Jolliffe, Richard Orlando. . . . Rockwood  
 Jolliffe, Miss Ruby Maud, Bowmanville  
 Kennedy, David Bruce . . . . . Orangeville  
 Kerr, Paul McDowell . . . . . Toronto  
 Lindsay, Miss Olivia C. . . . . Caledon East  
 McKenzie, John . . . . . Bear Line

Bristol, Miss Sadie . . . . . Toronto  
 Bull, J. James . . . . . Shallow Lake  
 Campbell, Miss Edith . . . . . Trenton  
 Chapman, Joseph Fletcher . . . . Orono  
 Chown, James Harry . . . . . Toronto  
 Conway, William . . . . . Granthurst  
 Near, Wm. Percival . . . . . St. Mary's  
 Odlum, Victor W. . . . . Vancouver, B.C.  
 Perley, Daniel Milton . . . . . Harrowsmith  
 Rees, David Penhall . . . . . Toronto  
 Rockwell, Miss Alice A. . . . . Duluth  
 Rockwell, James Evan . . . . . Duluth  
 Sibley, Wm. Edward . . . . . Cannington  
 Smith, Miss Lillias P. . . . . Toronto  
 Walker, David Alfred . . . . . Tara  
 Wallace, Edward Wilson . . . . . Toronto  
 Wallace, James Hill . . . . . North Gower  
 Webb, Charles Wesley . . . . . Ancaster  
 Webb, Norman Richard . . . . . Toronto  
 Will, Miss Alice A. . . . . Toronto  
 Wilson, Charles James . . . . . Milverton  
 Wilson, Thomas Evered . . . . . Elm

## Second Year.

Allen, Miss Mabel E. .... Burlington  
 Anderson, Robert Thomas .... Aylmer  
 Baker, Harold Norcliffe .... Stratford  
 Baxter, Miss Sidney Mary .... Toronto  
 Bishop, Charles W. .... London  
 Booth, A. Harrison .... West Ely, Que.  
 Bradshaw, George K. .... Hamilton  
 Brownlee, Hugh W. .... Kemptville  
 Cantelon, John Wilfred .... Streetsville  
 Carr, Fred. Stephen .... Cobourg  
 Cates, Wm. George. .... Toronto  
 Clare, David R. .... Chapman  
 Cleaver, Ernest Edgar .... Toronto  
 Connor, Charles F. .... Madoc  
 Danard, Miss Emma V. M. .... Hepworth  
 Davis, Robert H. .... Goodwood  
 Davison, John Reginald. .... Toronto  
 Dawson, J. Alex. Macdonald. .... Toronto  
 Dunlop, Horace Ernest .... Toronto  
 Eakins, Sidney Warner .... Toronto  
 Farley, Harry. .... Belleville  
 Fife, Miss Alice L. O. .... Peterboro'  
 Fisher, Claude Laing .... Holmesville  
 Fullerton, Aubrey L. Parrsboro', N.S.  
 Gain, Joseph Harrison .... Toronto  
 Gifford, Wm. Alvy .... Clinton  
 Grange, Miss Helen A. .... Napanee  
 Gray, D. Roy .... Toronto  
 Green, Wm. Foster. .... Windham Centre  
 Harris, Fred. Wm. Ketchum. .... Toronto

Harris, George Gordon .... Lucknow  
 Jeffery, Miss Mary Lawrence. .... Toronto  
 Jolliffe, Chas. J. Pasmore. .... Rockwood  
 Langmaid, Clarence A. .... Bowmanville  
 Lingham, Miss Bessie A. .... Belleville  
 Lloyd, Miss Lillie E. V. .... Toronto  
 Logan, Clark Franklin. .... Purple Grove  
 McElhanny, Wm. Gordon. .... Ripley  
 Marshall, Alpheus E. .... Atin don  
 Marshall, David Heggie. .... Snelgrove  
 Miller, Ernest Albert. .... White Rose  
 Miller, John Wesley. .... Wilrid  
 Mulholland, Ross Peregrine. .... Toronto  
 Parker, Chas. Bemister. .... Toronto  
 Pearson, Robert. .... Ethel  
 Peterson, Miss Greta. .... Belleville  
 Potter, Miss Jessie. .... Georgetown  
 Rankin, Arthur B. .... Toronto  
 Spence, Wm. H. .... Newbridge  
 Stapleford, Ernest W. .... St. Catharines  
 Thomas, Amos. .... London  
 Walker, Dwight Anderson. .... Merlin  
 Ward, Charles Frederick. .... Toronto  
 Warren, Herbert S. .... Aurora  
 Watts, Miss Florence Edith. .... Toronto  
 Weekes, Miss Edith Annie. .... Glencoe  
 Wreyford, Miss Constance N. .... Toronto  
 Wilde, Lafayette. .... Abingdon  
 Young, A. McKim. .... Tamworth

## First Year.

Barker, Percivale H. .... Uxbridge  
 Bensley, Miss Helen. (A. C.) .... Belleville  
 Berry, Miss Lucy. (A. C.) .... Belleville  
 Bradwin, Ed. W. .... Wingham  
 Connolly, Wm. Garfield. .... Caintown  
 Cragg, Harry Humphrey. .... Brighton  
 Crosley, Miss Violet, (A. C.) .... Belleville  
 Crux, George Charles. .... Mimico  
 Crysdale, C. .... (A. C.) Belleville  
 • Dafee, N. .... (A. C.) Belleville  
 Dingman, Arthur R. .... Toronto  
 Dwight, Miss Edith. .... Picton  
 Elliott, Alexander. .... Peterboro'  
 Fritz, B. O. .... (A. C.) Belleville  
 Hamilton, Miss Maggie A. Peterboro'  
 Hincks, Clarence Meredith. .... Toronto  
 Holmes, Charles P. .... Newark  
 Horton, I. .... (A. C.) Belleville  
 Hubbs, C. S. .... (A. C.) Belleville  
 Hunter, David Merward. .... Norwood  
 Jackson, Walter C. .... Newmarket  
 Jackson, Cloy. .... Ridgway  
 Jickling, Miss Carrie K. .... St. Mary's

Caldwell, T. .... (A. C.) Belleville  
 Campbell, Percy. .... Peterboro'  
 Clark, Robt. H. .... Warton  
 Cleaver, Miss Mona H. .... Toronto  
 Morgan, E. Wesley. .... Lindsay  
 Morris, G. A. .... (A. C.) Belleville  
 Nugent, David Bertram. .... Millbrook  
 Patterson, Miss Ethel Hume. .... Toronto  
 Proctor, Miss Margaret Adda. .... Sarnia  
 Rathman, F. .... (A. C.) Belleville  
 Rice, Miss Kathleen C. S. .... St. Mary's  
 Robertson, Harold Deeks. .... Morrisburg  
 Ruddell, Ernest Victor. .... Oustic  
 Salter, Wesley John. .... Oshawa  
 Sanders, Edwin G. .... Stouffville  
 Smith, Miss Edna Grace. .... Toronto  
 Spence, Miss A. G. Wenonah. .... Toronto  
 Spenceley, James Albert. .... Oshawa  
 Sternberg, Frank. .... Toronto  
 Switzer, Miss Dorothy. .... Rannoeh  
 Taylor, Rich. Edward S. .... Toronto  
 VanAlstyne, Miss Susie A. .... Napanee  
 Walden, Wm. Arthur. .... Maple Grove

## First Year—Continued.

|  |                |                                     |                    |
|--|----------------|-------------------------------------|--------------------|
| Keagey, Miss Margaret D. . . . .       | Dundas         | Walker, Miss Edna . . . . .         | Toronto            |
| Keast, Walter . . . . .                | St. Ives       | Wallace, Miss Ethel . . . . .       | North Gower        |
| Knight, John F. . . . .                | Cranbrook      | Wallace, I . . . . .                | (A. C.) Belleville |
| Lane, Milton Cornell . . . . .         | Toronto        | Watson, George Albert . . . . .     | Toronto            |
| Leonard, Julian L. . . . .             | Myrtle         | Webster, Arthur . . . . .           | Aurora             |
| Linscott, Garretson . . . . .          | Brantford      | Wilson, K. M. . . . .               | (A. C.) Belleville |
| Luck, Elmer Livinius . . . . .         | Deseronto      | Wilson, Miss Alice Evelyn . . . . . | Cobourg            |
| Macfarlane, Percy B. . . . .           | Toronto        | Wilson, S. C . . . . .              | (A. C.) Belleville |
| McLaughlin, Miss Marion . . . . .      | Toronto        | Wright, W. Graham . . . . .         | Beamsville         |
| Mills, Reginald W. . . . .             | Toronto        | Wright, Clare Montrose . . . . .    | Beamsville         |
|  |                |                                     |                    |
| Adams, William Fawcett . . . . .       | Toronto        | Magee, F. Albert . . . . .          | Lascelles, Que.    |
| Bach, Miss Jessie L. . . . .           | Toronto        | Nugent, Walter Henry . . . . .      | Omeme              |
| Baker, Edward . . . . .                | Toronto        | Ogden, Miss Vera . . . . .          | Toronto            |
| Barton, Miss Mabel . . . . .           | Toronto        | Paul, Miss Ethel Graham . . . . .   | Toronto            |
| Bogart, Miss Bessie Campbell . . . . . | Napanee        | Potts, Miss Edna . . . . .          | Toronto            |
| Brace, Albert James . . . . .          | Dunnville      | Robins, Joseph N. . . . .           | Port Rowan         |
| Burwash, A. P. . . . .                 | Toronto        | Robinson, Miss Jean . . . . .       | St. Catharines     |
| Burwash, Miss Hazel Keys . . . . .     | Toronto        | Roche, Miss Mazo . . . . .          | Toronto            |
| Clarke, Miss Mary . . . . .            | Toronto        | Rutley, Miss Pearl . . . . .        | Toronto            |
| Coates, Edward W. Spurgeon . . . . .   | Prescott       | Sale, Miss Mary . . . . .           | Rosedale           |
| Douglas, Miss Winifred E. . . . .      | Toronto        | Scott-Raff, Mrs. . . . .            | Toronto            |
| Finlay, Wellington A. . . . .          | Kincardine     | Shaver, Newton C. . . . .           | Little Britain     |
| Firstbrook, Miss D. . . . .            | Toronto        | Shaver, Augustus W. . . . .         | Little Britain     |
| Green, Miss Rowena . . . . .           | Toronto        | Shipman, Montague A. . . . .        | Toronto            |
| Hillyard, Miss Alice E. . . . .        | Toronto        | Silverthorne, Miss Emma . . . . .   | Toronto            |
| Hillyard, Miss Carrie L. . . . .       | Toronto        | Snell, Isaac . . . . .              | Mulmur             |
| Hopkins, Chas. Feltham . . . . .       | Kinmount       | Wall, Alfred A. . . . .             | Wright, Que.       |
| Huffman, Archibald C. . . . .          | Moscow         | Walton, Miss Florence . . . . .     | Thorold            |
| Hughes, Robert . . . . .               | Victoria, B.C. | Webber, George G. . . . .           | Unionville         |
| Hutchinson, Miss Edna C. . . . .       | Toronto        | Whattam, Richard Arthur . . . . .   | Pictou             |
| Jeffery, Charles Blake . . . . .       | Bowmanville    | Winter, Miss Rose . . . . .         | Toronto            |
| Johnston, Miss Amy H. . . . .          | Toronto        | Woodsworth, Miss H. . . . .         | Toronto            |
| Kitching, George R. . . . .            | Corwhin        | Young, Miss Ivy . . . . .           | Waubashene         |
| Lawson, Edward . . . . .               | Sydenham       |                                     |                    |

## Students in Arts:

|                          |    |
|--------------------------|----|
| Post-Graduates . . . . . | 22 |
| Fourth Year . . . . .    | 32 |
| Third Year . . . . .     | 45 |
| Second Year . . . . .    | 59 |
| First Year . . . . .     | 66 |
| Specialists . . . . .    | 47 |

— 271



## B. Students in Medicine at the University of Toronto.

### First Year.

|                     |                |                  |                   |
|---------------------|----------------|------------------|-------------------|
| Aitchison, R. M.    | Seaforth       | Hamlin, F. V.    | Allandale         |
| Anderson, J. S.     | Wooler         | Hanna, E. C.     | Thorold           |
| Balfour, D. C.      | Hamilton       | Hardy, E. B.     | Toronto           |
| Beatty, J. C.       | Toronto        | Hare, W. G.      | Ottawa            |
| Bennet, A. C.       | Toronto        | Holmes, J. M.    | Chatham           |
| Birchard, F. J.     | Toronto        | Hurlburt, W. A.  | Mitennell         |
| Black, G. I.        | Warkworth      | Johnston, L. H.  | Mount Forest      |
| Blanchard, A. B.    | Truro          | Johnstone, R. M. | Grassie's Corners |
| Blanchard, T. W.    | Appleby        | Kaufman, V. S.   | Chesley           |
| Boddington, D. H.   | Leamington     | Laird, W. S.     | Guelph            |
| Bonnycastle, R. H.  | Campbellford   | Lemon, W. S.     | Aylmer            |
| Boyd, G.            | Gravenhurst    | Little, G. G.    | Windsor           |
| Boyd, S. J.         | Carthage       | Lowrey, R. C.    | Toronto           |
| Brown, F. E.        | Vienna         | Magee, R. C.     | Manitou, Man.     |
| Brodrecht, J. H. R. | New Hamburg    | Maines, W. N.    | Tweed             |
| Brophey, F. E.      | Brantford      | Masson, J. C.    | Goderich          |
| Buller, F. J.       | Toronto        | Merritt, W.      | Smithville        |
| Burwell, B. R.      | Shedden        | Middleton, E. M. | Fergus            |
| Cairns, K. C.       | Huntsville     | Millen, S. F.    | Cottam            |
| Cameron, M. H. V.   | Woodstock      | Miller, F. R.    | Toronto           |
| Cameron, W. H.      | Arthur         | Morris, J. I.    | Hamilton          |
| Campbell, M. F.     | Rossland, B.C. | Mowbray, F. B.   | Thamesville       |
| Carrick, W. M.      | Hamilton       | Munn, F. J.      | Toronto           |
| Christie, J. D.     | Sunderland     | Munns, A. C.     | Teviotdale        |
| Clark, R. L.        | Hamilton       | Murray, C. W.    | Toronto           |
| Coleman, H. B.      | Cookstown      | MacGregor, J. P. |                   |
| Collinson, T. W.    | Ceylon         | MacKinnon, G. L. | Orangeville       |
| Cook, H. M.         | Essex          | MacIntyre, R. W. | Toronto           |
| Coone, F. H.        | Manilla        | Maclaren, J. A.  | Ottawa            |
| Coulthard, H. H. G. | Toronto        | Maclean, G. D.   | Woodbridge        |
| Cowper, H. D.       | Welland        | McAndrew, J.     | Norval            |
| Dalrymple, S. R.    | Bismark        | McDonald, E. A.  | Toronto           |
| Dalrymple, J. M.    | Bismark        | McFadyen, D. D.  | Toronto           |
| Dingman, H. W.      | Toronto        | McIntyre, G. C.  | St. Marys         |
| Eckel, C. B.        | Pembroke       | McKenna, J. A.   | Toronto           |
| Evans, W. G.        | Bradford       | McKenzie, D.     | Brussels          |
| Ford, G.            | Listowel       | McKinlay, W. E.  | Toronto           |
| Gaby, R. E.         | Toronto        | McLachlan, D. F. | Glencoe           |
| Galbraith, D. A.    | Adalphe        | McMane, C.       | Donegal           |
| Gilchrist, A. J.    | Toronto        | McMillan, J. E.  | Shakespeare       |
| Gilday, W. C.       | Toronto        | McNeil, H. M.    | Toronto           |
| Goode, E. A.        | Toronto        | McPhedran, A. G. | Wanstead          |
| Gowland, M. E.      | Zimmerman      | McPhedran, J. H. | Wanstead          |
| Graham, D. L.       | Ivan           | McRae, T. T.     | Crambrook         |
| Graham, J. J.       | Vallentyne     | Naismith, A. G.  | Milverton         |
| Haigh, J. E.        | Toronto        | Norman, T. H.    | Schomberg         |
| Hall, F. W.         | Chatham        | O'Brien, D. E.   | Merriekville      |
| Hamilton, J. J.     | Bethany        | Ocks, W. H.      | Hespeler          |

## First Year.—Continued.

|                       |                      |                        |                |
|-----------------------|----------------------|------------------------|----------------|
| Ogden, W. E.....      | Toronto              | Speirs, A. J.....      | Drumbo         |
| O'Hara, W. J.....     | Hagersville          | Spence, C. E.....      | Toronto        |
| Park, C. A.....       | Hagersville          | Spohn, A. H.....       | Penetang       |
| Patterson, W. A.....  | Ingersoll            | Stapleford, C. H....   | St. Catharines |
| Pettingill, R. E..... | Rose Hall            | Stewart, G. ....       | Ruthven        |
| Powell, C. ....       | Barrie               | Stewart, V. W.....     | Mount Forest   |
| Rae, J. A.....        | Rosseau              | Tisdale, R. W.....     | Lyndock        |
| Robb, A. M.....       | Toronto              | Toll, W. ....          | Ouvry          |
| Roberts, W.....       | Birgus, Newfoundland | Traynor, S. ....       | Dundalk        |
| Robinson, F. H.....   | Toronto              | Trueman, L. A.....     | Kerwood        |
| Rolls, A. M.....      | Mansewood            | Turner, R. M.....      | Thorold        |
| Royce, H. T.....      | Davenport            | Vanderlip, F.....      | St. Catharines |
| Savage, J. P.....     | Brantford            | Walker, F. J.....      | Petrolea       |
| Schlichter, C. C..... | New Dundee           | Wallis, A. G.....      | Humber P.O.    |
| Shorey, S. B.....     | Picton               | Weidenhammer, F. J.... | Waterloo       |
| Sinclair, A. ....     | Kilsyth              | Weldon, T. C.....      | Toronto        |
| Smillie, A. B.....    | Hensal               | Wilson, J. L.....      | Toronto        |
| Smith, W. J.....      | Pine River           |                        |                |

## Second Year.

|                         |                |                      |              |
|-------------------------|----------------|----------------------|--------------|
| Adams, H. J.....        | Embro          | Galbraith, M.....    | Mount Forest |
| Adams, A. H.....        | Whitby         | Gilbert, W. L.....   | Picton       |
| Anderson, R. W....      | Little Current | Graham, J. ....      | Toronto      |
| Archer, G. B.....       | Campbellford   | Grant, D. J.....     | Gravenhurst  |
| Bennet, J. H.....       | Gorrie         | Hendry, W. B.....    | Toronto      |
| Berwick, M. W.....      | Shelbourne     | Henry, T. R.....     | Harriston    |
| Biggs, G. M.....        | Toronto        | Hore, A. L.....      | Valentia     |
| Brien, J. W.....        | Lindsay        | Houston, P. J.....   | Pinkerton    |
| Bright, H. R.....       | Warton         | Hunter, W. F.....    | Warton       |
| Brodie, F. J.....       | Forest         | Hutton, J. ....      | Forest       |
| Bryan, T. H.....        | Strathroy      | Jackson, A. A.....   | Mono Mills   |
| Buck, T. D.....         | Lindsay        | Jones, H. ....       | Hamilton     |
| Burr, W. A.....         | Fergus         | Kennedy, A. M.....   | Barrie       |
| Burson, E. C.....       | St. Catharines | Killoran, J. F.....  | Seaforth     |
| Campbell, D. D.....     | Listowel       | Kinghorn, A. ....    | Toronto      |
| Campbell, J. A.....     | Keene          | Knipfel, J. E.....   | Elora        |
| Carveth, W. H.....      | Toronto        | Kyle, N. ....        | Bellwood     |
| Caulfield, A. H. W..... | Toronto        | Leach, A. J.....     | Millbrook    |
| Cascaden, J. H.....     | Dutton         | LeDrew, I. S.....    | Toronto      |
| Chambers, F. E.....     | Toronto        | Limbert, M. H.....   | Greenbank    |
| Clark, C. W.....        | Picton         | Lord, J. W.....      | Newbury      |
| Clarke, W. B.....       | Schomberg      | Lyon, E. J.....      | Guelph       |
| Crosby, G. W.....       | Campbellford   | Malloy, A. F.....    | Nobleton     |
| Cruikshank, W. E.....   | Chatham        | Matheson, J. J.....  | Bloomington  |
| Demary, A. F.....       | Kerwood        | Mugan, P. J.....     | Ridgetown    |
| Dickson, D. A.....      | Galt           | Mulligan, T. ....    | Dublin       |
| Dixon, W. ....          | Anondago       | Murray, D. C.....    | Newton       |
| Duncan, J. A.....       | Elora          | MacMahon, J. H.....  | Hamilton     |
| Eakins, G. E.....       | Toronto        | McCaffrey, R. ....   | Madoc        |
| Eaton, F. S.....        | Freeland       | McComb, R. J. A..... | Trenton      |
| Embree, M. H.....       | Toronto        | McCulloch, E. A....  | Thomasburg   |
| Evans, E. G.....        | Virginia       | McCulloch, P. R..... | Thomasburg   |
| Ferguson, B. J.....     | Teeswater      | McCue, P. J.....     | Melanchton   |
| Fyle, F. E.....         | Brantford      | McEwen, F. F.....    | Toronto      |

## Second Year.—Continued.

|                     |             |                       |               |
|---------------------|-------------|-----------------------|---------------|
| McFadden, A. H..... | Millbank    | Stallwood, J. B.....  | Hagersville   |
| McGibbon, P. ....   | Arkona      | Stewart, A. P.....    | Glen Allan    |
| McGregor, J. K..... | Waterdown   | Stewart, L. G.....    | Aurora        |
| McKenzie, D. C..... | Milverton   | Stewart, A. E.....    | Ruthven       |
| McKinley, D. F..... | Bolton      | Sutton, A. B.....     | Cooksville    |
| McKinnon, J. P..... | Hillsbury   | Swanston, J. B.....   | Yeovil        |
| McLellan, W. E..... | Almonte     | Thomas, G. N.....     | Lowville      |
| McLeod, J. G.....   | Southampton | Thorn, W. F.....      | Pictou        |
| McNally, A. ....    | Blair       | Todd, J. H.....       | Toronto       |
| McQuade, M. A.....  | Manilla     | Unsworth, A. D.....   | Hamilton      |
| Nasmyth, R. D.....  | Stratford   | VanNorman, K. H.....  | Toronto       |
| Newman, C. R.....   | Dunnville   | Vansickle, R. ....    | Palermo       |
| Panton, K. D.....   | Milton West | Vrooman, F. S.....    | Lindsay       |
| Panton, L. C.....   | Guelph      | Walker, S. B.....     | Niagara Falls |
| Reid, W. ....       | Toronto     | Walker, W. O.....     | Ingersoll     |
| Reive, W. ....      | Markham     | Waterson, T. A.....   | Manotick      |
| Riggs, L. D.....    | Belleville  | Watts, F. E.....      | Toronto       |
| Ross, A. ....       | Lochalsh    | White, H. S.....      | Orwell        |
| Schultz, A. E.....  | Elmira      | Wigham, J. W.....     | Toronto       |
| Scott, G. H.....    | Barrie      | Wilson, W. A.....     | Newbury       |
| Scratch, J. A.....  | Amherstburg | Wilson, H. G.....     | Toronto       |
| Shaw, G. M.....     | Southend    | Woodbridge, C. O..... | Oxley         |
| Sheahan, F. J.....  | Newark      | Wright, W. W.....     | Toronto       |
| Smith, E. ....      | Toronto     | Young, J. W.....      | Bradford      |
| Snyder, G. R.....   | Canboro     |                       |               |

## Third Year.

|                           |                      |                      |                |
|---------------------------|----------------------|----------------------|----------------|
| Allen, J. A.....          | Alliston             | Frederick, E. ....   | Campbellford   |
| Anderson, P.....          | Port Dalhousie       | Freeman, C. W.....   | Burlington     |
| Beaton, W. D.....         | St. Catharines       | Fursey, F. R.....    | Marden         |
| Biggar, J. L.....         | Toronto              | Gallie, W. E.....    | Barrie         |
| Binns, E. E.....          | Pt. Antonia, Jamaica | Gilmour, C. H.....   | Toronto        |
| Bond, A. T....            | Ryckman's Corners    | Graham, W. A.....    | Toronto        |
| Brewster, R. S.....       | Sunderland           | Gray, E. A.....      | Wanbano        |
| Brown, J. V.....          | Barrie               | Greenway, G. E....   | Little Current |
| Buchanan, N. D.....       | Zurich               | Groves, W. A.....    | Fergus         |
| Campbell, N. S.....       | Thornbury            | Hamilton, J. H.....  | Nelson, B.C.   |
| Carson, A. T.....         | Orangeville          | Hess, L. R. N.....   | Hamilton       |
| Cockrane, D. J.....       | Durham               | Hodgins, E. L.....   | Lucan          |
| Colbeck, K. ....          | Colbeck              | Holmes, K. H.....    | Chatham        |
| Constantinides, C. L..... | Toronto              | Ingram, R. ....      | Ridgetown      |
| Cook, J. W.....           | Strathroy            | Jamieson, H. C.....  | Guelph         |
| Crosby, F. M.....         | Marden               | Johnstone, D. S..... | Orillia        |
| Cullen, E. K.....         | Toronto              | Kane, J. A.....      | Orillia        |
| DeHaitre, E. ....         | Rockland             | Kappelle, D. ....    | Hamilton       |
| Dinnick, O. T.....        | Toronto              | Kerfoot, W. J.....   | Minesing       |
| Edmison, T. B.....        | Newcastle            | Knister, C. E.....   | Ruscom         |
| Evans, D. ....            | Virginia             | Lamb, G. F.....      | St. Thomas     |
| Fawns, S. W.....          | Udora                | Langs, M. H.....     | Langford       |
| Ferguson, J. ....         | Hamilton             | Large, F. ....       | Listowel       |
| Fisher, R. O.....         | Ashgrove             | Lawrence, F. H.....  | Watford        |
| Fitzgerald, J. G.....     | Harriston            | Leeson, J. D.....    | Aylmer         |
| Foster, R. F.....         | Toronto              | Locke, C. F. A.....  | Hamilton       |
| Foster, E. J..            | Kagawong, Man. Isl.  | Mahood, W. R.....    | Fordwich       |

## Third Year.—Continued.

|                          |             |                        |                |
|--------------------------|-------------|------------------------|----------------|
| Medley, W. W. ....       | Erin        | Scott, F. H. ....      | Toronto        |
| Meldrum, W. N. ....      | Ayr         | Simpson, A. A. ....    | Whitechurch    |
| Mackay, C. M. ....       | Woodstock   | Sinclair, D. A. ....   | Toronto        |
| MacKinnon, W. T. M. .... | Amherst     | Singer, S. ....        | Toronto        |
| Macleod, N. K. ....      | Toronto     | Somers, W. E. ....     | Waterford      |
| McColl, T. H. ....       | Wallacetown | Sutherland, D. M. .... | Norwich        |
| McCue, P. F. ....        | Melanchton  | Sutton, N. ....        | Ida            |
| McInnis, A. ....         | Bognor      | Sweeney, D. J. ....    | Caledon        |
| McLaughlin, R. P. ....   | Cumberland  | Thomas, A. W. ....     | Victoria, B.C. |
| McLean, H. ....          | Glencoe     | Torrington, H. M. .... | Toronto        |
| McLean, H. C. ....       | St. Thomas  | Turnbull, H. M. ....   | Toronto        |
| McTavish, W. ....        | Palmyra     | Walker, E. M. ....     | Toronto        |
| Neal, F. C. ....         | Walton      | Walker, T. W. ....     | Elora          |
| Oille, J. A. ....        | Sparta      | Watson, W. O. ....     | Toronto        |
| Park, J. M. ....         | Abingdon    | Webb, A. L. W. ....    | Brighton       |
| Parry, J. R. ....        | Dunnville   | Weir, B. C. ....       | Strathroy      |
| Phillips, J. ....        | Hewitt      | White, T. D. ....      | Brantford      |
| Proctor, A. D. ....      | Ottawa      | Whitmore, A. E. ....   | Edgely         |
| Quinlan, P. F. ....      | Stratford   | Wilson, G. E. ....     | Toronto        |
| Robb, J. M. ....         | Stratford   | Winters, G. A. ....    | Toronto        |
| Ross, F. A. ....         | Guthrie     | Woolner, W. A. W. .... | Toronto        |
| Ross, V. ....            | Guthrie     | Yin, S. C. ....        | Armoy, China   |
| Russell, A. L. ....      | Millbrook   |                        |                |

## Fourth Year.

|                          |                   |                        |               |
|--------------------------|-------------------|------------------------|---------------|
| Archer, A. E. ....       | Freeman           | Klotz, A. ....         | Ottawa        |
| Armstrong, G. H. L. .... |                   | Logan, H. ....         | Meaford       |
| .....                    | Richard's Landing | Michell, W. R. ....    | Perth         |
| Atkin, G. M. ....        | Milverton         | Moir, A. ....          | Dunnville     |
| Bell, W. J. ....         | Toronto Junction  | Montgomery, C. H. .... | Orillia       |
| Brown, A. ....           | Motherwell        | Mullin, R. H. ....     | Hamilton      |
| Campbell, J. L. ....     | Ridgetown         | Murdoch, A. ....       | Brucefield    |
| Chambers, W. J. ....     | Lochalsh          | MacLaurin, N. T. ....  | Toronto       |
| Dakin, W. S. ....        | Galt              | McBane, D. ....        | St. Thomas    |
| Davey, E. J. ....        | Stoney Creek      | McCordie, H. N. ....   | Jura          |
| Doran, W. ....           | Hamilton          | McEachran, A. D. ....  | Glencoe       |
| Draeseke, G. C. ....     | Dundas            | McKenzie, G. E. ....   | Brandon, Man. |
| Elliott, H. R. ....      | New Sarum         | Nelles, A. P. F. ....  | Hamilton      |
| Esler, J. ....           | Blake             | Roaf, H. E. ....       | Toronto       |
| Fisher, A. ....          | Stratford         | Ross, G. W. ....       | Toronto       |
| Fletcher, G. W. ....     | Blenheim          | Rutherford, R. W. .... | Chatham       |
| Fraser, J. J. ....       | Huttonville       | Saunders, P. W. ....   | Toronto       |
| Fry, E. E. ....          | Elmira            | Short, F. ....         | Elora         |
| Godfrey, J. E. ....      | Meaford           | Smith, D. ....         | Embro         |
| Graham, J. A. S. ....    | Toronto           | Snell, A. E. ....      | Bolton        |
| Gunn, J. N. ....         | Clinton           | Stauffer, L. L. ....   | Waterloo      |
| Harris, R. B. ....       | Brooklyn          | Sutherland, C. G. .... | Hamilton      |
| Henderson, V. E. ....    | Toronto           | Sullivan, H. J. ....   | Picton        |
| Hoidge, E. T. ....       | Toronto           | Wahne, W. T. ....      | Orangeville   |
| Huffmann, J. L. ....     | Aylmer            | Withrow, O. C. ....    | Woodstock     |
| Hacking, R. ....         | Listowel          | Woods, A. C. ....      | Barrie        |
| Irwin, J. R. ....        | Port Hope         | Wray, G. S. ....       | Barrie        |
| James, E. P. ....        | Galt              | Wright, A. B. ....     | Toronto       |
| Kergin, W. T. ....       | St. Catharines    | Young, W. D. ....      | Allandale     |
| King, D. M. ....         | Toronto           |                        |               |



## Fifth Year.

Morrison, W. C. . . . . Pinkerton      Scott, W. A. . . . . Toronto

## Occasional Students.

|                          |                    |                              |                 |
|--------------------------|--------------------|------------------------------|-----------------|
| Arnold, E. F. . . . .    | Vankleek Hill      | Little, H. M. . . . .        | Owen Sound      |
| Armstrong, E. F. . . . . | Flesherton         | Loftus, J. . . . .           | Apts P.O.       |
| Bagshaw, D. J. . . . .   | Valentyne          | Long G. E. . . . .           | Listowel        |
| Black, J. E. . . . .     | Rockwood           | Milsap, W. H. . . . .        | Napanee         |
| Bradley, J. A. . . . .   | Lansdowne          | Moore, G. F. . . . .         | Kingston        |
| Brown, W. N. . . . .     | Orangeville        | Morris, A. W. . . . .        | Bowmanville     |
| Clarkson, C. H. . . . .  | Toronto            | Munroe, G. A. . . . .        | Maxville        |
| Corrigan, C. A. . . . .  | Toronto            | McGahey, M. M. . . . .       | Toronto         |
| Davy, W. C. . . . .      | Morrisburg         | McGuire, G. E. . . . .       | Georgetown      |
| DeRenzy, H. W. . . . .   | Arnprior           | McIntyre, D. M. . . . .      | Glencoe         |
| Dent, C. M. . . . .      | Rockland           | McKenna, J. J. . . . .       | Dublin          |
| Doran, L. . . . .        | Kingston           | MacMurray, L. C. . . . .     | Thamesford      |
| Duff, J. F. . . . .      | Clay Bank          | McMurray, W. J. . . . .      | St. Catharines  |
| Dudley, R. L. . . . .    | Pembroke           | Pickard, E. C. . . . .       | Brantford       |
| Elliott, T. W. . . . .   | Brantford          | Pinard, A. A. . . . .        | Ottawa          |
| Elliott, H. E. . . . .   | Haley's Station    | Proudfoot, P. B. . . . .     | Fenaghvale      |
| Everett, G. W. . . . .   | Waterdown          | Reynolds, A. K. . . . .      | London          |
| Ellis, A. W. . . . .     | Ingersoll          | Richardson, H. E. W. . . . . | Toronto         |
| Fraser, C. B. . . . .    | Eastwood           | Richardson, H. O. . . . .    | Newmarket       |
| Fife, B. O. . . . .      | Norwood            | Robertson, H. A. . . . .     | Caufield        |
| Freeman, C. J. . . . .   | Freeman P.O.       | Sanderson, H. M. . . . .     | Toronto         |
| Gilroy, G. F. . . . .    | Mount Forest       | Sale, C. E. . . . .          | Sarnia          |
| Halladay, W. . . . .     | Walkerton          | Sharpe, J. M. . . . .        | Lowville        |
| Hassard, O. G. . . . .   | Toronto            | Slade, J. A. . . . .         | Centreton       |
| Heacock, A. E. . . . .   | Aurora             | Stewart, J. S. . . . .       | Edmonton, Alta. |
| Heath, V. LeR. . . . .   | Brantford          | Summers, A. V. . . . .       | Pembroke        |
| Hendry, F. G. . . . .    | Ingersoll          | Taylor, C. B. . . . .        | Lindsay         |
| Hogan, L. D. . . . .     | Tilsonburg         | Thomas, M. A. R. . . . .     | London          |
| Hoskin, A. H. . . . .    | Cobourg            | Watt, C. F. . . . .          | Frankford       |
| Irvine, H. . . . .       | Lindsay            | Watson, H. E. . . . .        | Bolton          |
| Jakes, W. F. . . . .     | Ipswich, Australia | Will, J. R. . . . .          | New Durham      |
| Jewet, C. H. . . . .     | Ottawa             | Wood, W. G. . . . .          | Port Hope       |
| Kennedy, W. . . . .      | Agincourt          | Wright, W. H. . . . .        | Glen Stewart    |
| Kinnear, J. W. . . . .   | Napanee            |                              |                 |

|  |     |
|--|-----|
| Number of students in the First Year . . . . .                 | 131 |
| Number of students in the Second Year . . . . .                | 117 |
| Number of students in the Third Year . . . . .                 | 99  |
| Number of students in the Fourth Year . . . . .                | 58  |
| Number of students in the Fifth Year (Post Graduate) . . . . . | 2   |
| Occasional students . . . . .                                  | 67  |

Total . . . . . 474

## C. Students of the School of Practical Science.

## First Year.

## REGULAR STUDENTS.

|                       |                   |                        |                |
|-----------------------|-------------------|------------------------|----------------|
| Baldwin, G. W.....    | Aurora            | McKay, C. D.....       | Maplewood      |
| Barrett, J. H.....    | Port Hope         | McMillan, D. ....      | Woodville      |
| Beatty, H. E.....     | Toronto           | Manchester, C. S.....  | Ottawa         |
| Begg, W. A.....       | West Flamboro     | Manson, C. J.....      | St. Catharines |
| Blaine, T. R.....     | Barrie            | Marquis, G. P.....     | Brantford      |
| Boeckh, J. C.....     | Toronto           | Moore, E. E.....       | Peterboro      |
| Brown, T. D.....      | Barrie            | Moorhouse, W. N.....   | Toronto        |
| Bryce, R. A.....      | Toronto           | Morden, L. W.....      | Hamilton       |
| Burley, R. J.....     | Regina, Assa.     | Munro, C. G.....       | Thamesville    |
| Burnham, F. W.....    | Ashburnham        | Munro, W. H.....       | Peterboro      |
| Cameron, N. C.....    | Peterboro         | Nelson, J. A.....      | St. Catharines |
| Campbell, A. J.....   | Collingwood       | O'Sullivan, J. J.....  | Toronto        |
| Campbell, A. M.....   | Trenton           | Pardoe, W. S.....      | Toronto        |
| Cass, G. A.....       | L'Orignal         | Paris, J.....          | White Lake     |
| Chase, A. V.....      | Orillia           | Parke, J. P.....       | Oil City       |
| Chilver, C. A.....    | Walkerville       | Peaker, W. J.....      | Brampton       |
| Chilver, H. L.....    | Walkerville       | Phillips, E. P. A..... | Cedardale      |
| Christie, U. W.....   | Chesley           | Pickering, A. E.....   | Brampton       |
| Coates, P. C.....     | Victoria, B.C.    | Ramsay, G. L.....      | Dunnville      |
| Code, S. B.....       | Smith's Falls     | Raymond, D. L. C.....  | Windsor        |
| Code, T. F.....       | Smith's Falls     | Reynolds, G. B.....    | Toronto        |
| Cousins, E. L.....    | Toronto           | Reid, F. B.....        | Bowmanville    |
| Cowan, W. A.....      | Galt              | Riddell, M. R.....     | Toronto        |
| Craig, S. E.....      | Snelgrove         | Robinson, L. ....      | Brockville     |
| Crerar, S. R.....     | Brussels          | Rogers, W. R.....      | Fordwich       |
| Currie, W. M.....     | Port Perry        | Roxburgh, G. S.....    | Norwood        |
| Dunn, H. C.....       | Vancouver, B.C.   | Rutherford, F. N.....  |                |
| Elder, A. J.....      | Barrie            |                        | South Monaghan |
| Fee, T. ....          | St. Catharines    | Sauder, P. N.....      | Galt           |
| Fleck, J. G.....      | Ottawa            | Scott, G. S.....       | Toronto        |
| Fletcher, H. M.....   | Hamilton          | Shepley, J. D.....     | Leamington     |
| Ford, A. L.....       | Toronto           | Slater, F. W.....      | London         |
| Foster, W. J.....     | Windsor           | Smart, R. S.....       | Toronto        |
| Gibson, W. S.....     | Toronto           | Smith, D. A.....       | Claude         |
| Gray, W. W.....       | Uxbridge          | Smither, W. J.....     | Toronto        |
| Hara, L. D.....       | Merriton          | Stover, C. B.....      | Chatham        |
| Harris, C. J.....     | Brantford         | Street, P. B.....      | Toronto        |
| Henderson, T. D.....  | Acton             | Stroud, A. ....        | Hamilton       |
| Heron, J. B....       | Scarboro Junction | Sykes, F. H.....       | Toronto        |
| Hill, E. M.....       | Guelph            | Tait, B. J.....        | Peterboro      |
| Hill, S. ....         | St. Thomas        | Thomson, J. E.....     | Toronto        |
| Holmes, O. B.....     | Selkirk           | Townsend, D. T.....    | Woodstock      |
| Howard, J. A.....     | Springvale        | Trimble, A. V.....     | Toronto        |
| Ingles, C. J.....     | Toronto           | Tucker, B. B.....      | Allanburg      |
| Jermyn, P. V.....     | Toronto           | Wade, E. ....          | Welland        |
| Johnston, J. W.....   | Toronto           | Walker, E. W.....      | Cayuga         |
| Keefe, W. S. H.....   | Iroquois          | Watson, J. P.....      | Acacia         |
| Laing, P. A.....      | Dundas            | Weir, J. M.....        | Toronto        |
| Legate, W. B.....     | London            | Wilkie, J. H.....      | Toronto        |
| Little, J. C.....     | Moffat            | Wells, A. F.....       | Sandwich       |
| Mackenzie, C. M.....  | Galt              | Wilson, J. M.....      | Toronto        |
| McEwen, D. F.....     | Hensall           | Wright, W. F.....      | Toronto        |
| McEwen, G. G.....     | Moose Creek       | Yates, P. M.....       | London         |
| McGibbon, C. P., B.A. | Brampton          |                        |                |

## NON-REGULAR STUDENTS TAKING FULL COURSE.

|                      |             |                      |              |
|----------------------|-------------|----------------------|--------------|
| Allen, C. W.....     | Toronto     | McCuaig, O. B.....   | Toronto      |
| Arens, H. W.....     | Orillia     | Maddison, W. W.....  | Toronto      |
| Baldwin, F. W.....   | Toronto     | Mills, J. E.....     | Guelph       |
| Bangham, J. ....     | Windsor     | Merritt, R. N.....   | Toronto      |
| Bowles, G. W.....    | Orangeville | O'Brien, D. E.....   | Merrickville |
| Calder, J. W.....    | Cranbrook   | Pace, G. ....        | Orillia      |
| Evans, H. W.....     | Toronto     | Pullen, E. F.....    | Oakville     |
| Field, J. J.....     | Toronto     | Roddick, J. O.....   | Brantford    |
| Ford, E. A.....      | Belleville  | Rundle, L. P.....    | Goderich     |
| Goodall, J. N.....   | Bellwood    | Schell, F. S.....    | Brantford    |
| Greene, E. A.....    | Orillia     | Serson, H. V.....    | Antrim       |
| Greenwood, W. K....  | Greenwood   | Southworth, H. S.... | Toronto      |
| Helmuth, H. I.....   | Toronto     | Tait, E. L.....      | St. Thomas   |
| Horwood, H. O. R.... | Toronto     | Thompson, H. P.....  | Toronto      |
| Irving, T. C.....    | Toronto     | Thompson, S. E.....  | Blenheim     |
| Jackson, E. R.....   | Seaforth    | Townsend, C. J.....  | Toronto      |
| Jamieson, D. W.....  | Ottawa      | Vaughan, J. ....     | Toronto      |
| Kuhry, P. M.....     | Formosa     | Wickett, W. E.....   | Toronto      |
| Legge, A. H.....     | Jefferson   | Weddell, R. G.....   | Trenton      |
| Mackenzie, K. B..... | Sarnia      | Wilson, W. H.....    | Toronto      |

## Second Year.

|                        |               |                           |                 |
|------------------------|---------------|---------------------------|-----------------|
| Acres, H. G.....       | Paris         | Jackson, J. H., O.L.S.... | Windsor         |
| Alexander, J. H., B.A. | Brampton      | James, E. A.....          | Thornhill       |
| Alison, J. G. R.....   | Toronto       | Johnston, C. K.....       | Pefferlaw       |
| Angus, H. H.....       | London        | Johnston, H. ....         | Meaford         |
| Beatty, J. A.....      | Fergus        | Kernahan, M. G.....       | Toronto         |
| Bonnell, M. B.....     | Bobcaygeon    | Lang, A. G.....           | Toronto         |
| Bridgland, M. P., B.A. | Fairbank      | Larkworthy, W. J....      | Mitchell        |
| Burd, J. H.....        | Parry Sound   | Latornell, A. J.....      | Meaford         |
| Burgess, E. L.....     | Burgessville  | Mackay, J. J., O.L.S..    | Woodstock       |
| Burwash, N. A.....     | Toronto       | McAuslan, H. J.....       | Heatheote       |
| Challies, J. B.....    | Winchester    | McFarlane, J. A.....      | Donegal         |
| Corbett, J. T.....     | Puce          | McNaughton, A. L....      | Cornwall        |
| Coulson, C. L.....     | Welland       | Marriott, F. G.....       | Toronto         |
| Davison, A. E.....     | Prescott      | Maus, C. A.....           | Paris           |
| Depew, H. H.....       | Hamilton      | Miller, M. L.....         | Aylmer          |
| Fensom, C. J.....      | Toronto       | Milne, W. J.....          | Brown's Corners |
| Fuce, E. O.....        | Toronto       | Mitchell, P. H.....       | Waterloo        |
| Gaby, F. A.....        | Toronto       | Montgomery, R. H....      | Brantford       |
| Gardner, J. C.....     | Niagara Falls | Morton, P. E.....         | Belhaven        |
| Gillespie, P. ....     | Cobourg       | Mullins, E. E.....        | Toronto         |
| Gordon, J. P.....      | Toronto       | Nevitt, I. H.....         | Toronto         |
| Gordon, W. C., B.A..   | Staffordville | Oliver, E. W.....         | Toronto         |
| Gourlay, W. A.....     | Toronto       | Oliver, J. P.....         | Eberts          |
| Gray, A. ....          | Port Credit   | Pace, J. D.....           | Orillia         |
| Gzowski, H. N.....     | Toronto       | Patten, B. B.....         | St. George      |
| Hamilton, J. F.....    | Dunedin       | Philp, D. H.....          | Petrolea        |
| Hanes, G. S.....       | Windsor       | Pinkney, D. H.....        | Morrison        |
| Harcourt, F. Y., B.A.  | Toronto       | Plunkett, T. H.....       | Meaford         |
| Hayes, L. J.....       | Toronto       | Porte, W. B.....          | Toronto         |
| Henderson, F. D.....   | Crathie       | Rigsby, J. P.....         | Toronto         |
| Horton, J. A.....      | Hurondale     | Robertson, D. F.....      | Almonte         |
| Jackson, J. G.....     | London        | Ross, R. B.....           | Toronto         |

**Second Year—Continued.**

|                    |                |                        |            |
|--------------------|----------------|------------------------|------------|
| Seymour, H. L..... | Toronto        | Wass, S. B.....        | Graniton   |
| Shipe, H. M.....   | Toronto        | Whelihan, J. A.....    | St. Mary's |
| Small, H. S.....   | Toronto        | White, H. F.....       | London     |
| Smith, J. H.....   | New Hamburg    | Williams, C. G.....    | London     |
| Smith, H. G.....   | St. Catharines | Wilson, N. D.....      | Toronto    |
| Stewart, M. A..... | Toronto        | Worthington, W. R..... | Toronto    |
| Trees, S. L.....   | Toronto        | Young, C. R.....       | Pictou     |
| Umbach, J. E.....  | Elmira         | Young, W. H.....       | Clifford   |
| Waldron, J. ....   | Pine Grove     |                        |            |

**Third Year.**

|                          |                 |                       |            |
|--------------------------|-----------------|-----------------------|------------|
| Barber, H. G.....        | Milton          | McBride, A. H.....    | Toronto    |
| Blair, W. J.....         | Embro           | McLennan, A. L.....   | Toronto    |
| Brown, J. M.....         | Fergus          | Mackay, J. T.....     | Toronto    |
| Campbell, W. G.....      | Toronto         | Mace, F. G.....       | Toronto    |
| Campbell, A. R.....      | Collingwood     | Madden, J. F. S.....  | Toronto    |
| Christie, W. ....        | Chesley         | Marrs, C. H.....      | Beamsville |
| Conlon, F. T.....        | Thorold         | Mathison, P. ....     | Union      |
| Connor, H. V.....        | Sarginson       | Mennie, R. S.....     | Toronto    |
| Culbert, M. T.....       | London          | Moore, H. H.....      | Deer Park  |
| Cumming, R.....          | Scotsburn, N.S. | Moore, F. A.....      | Toronto    |
| Douglas, W. E., B.A..... | Toronto         | Morley, R. W.....     | Toronto    |
| Dunlop, R. J.....        | Toronto         | Nash, T. S.....       | Morrisburg |
| Edwards, W. M.....       | Iroquois        | Powell, G. G.....     | Toronto    |
| Elwell, W. ....          | Toronto         | Ratz, W. F.....       | Elmira     |
| Empey, J. M.....         | Thamesford      | Robertson, H. D.....  | Walkerton  |
| Forbes, D. L. H.....     | Toronto         | Sinclair, D. ....     | Cheltenham |
| Gibson, A. E.....        | Ingersoll       | Steele, I. J.....     | Boxall     |
| Goodwin, A. C.....       | Grimshy         | Sutherland, W. H..... | Toronto    |
| Henry, J. S.....         | Toronto         | Taylor, T. ....       | Cheltenham |
| Henwood, C. ....         | Port Hope       | Teasdale, C. M.....   | Concord    |
| Johnston, D. M.....      | Toronto         | Wanless, A. A.....    | Toronto    |
| Knight, R. H.....        | Bruce Mines     | Zahn, H. J.....       | Toronto    |
| Langmuir, F. L.....      | Toronto         |                       |            |

**Fourth Year.**

|                       |                    |                       |            |
|-----------------------|--------------------|-----------------------|------------|
| Barrett, R. H.....    | Amherstburg        | McVean, H. G.....     | Dresden    |
| Boswell, M. C.....    | Peterboro          | Middleton, H. T.....  | Toronto    |
| Brandon, E. T. J..... | Toronto            | Price, H. W.....      | Toronto    |
| Cockburn, J. R.....   | Toronto            | Rust, H. P.....       | Toronto    |
| Eason, D. E.....      | Keene              | Sauer, M. V.....      | Toronto    |
| Harvey, C. ....       | Indian Head, Assa. | Smallpeice, F. C..... | Toronto    |
| Johnston, J. A.....   | Pefferlaw          | Stephenson, W. H..... | Ancaster   |
| McMaster, A. T.....   | Toronto            | Wright, R. T.....     | Owen Sound |

**Occasional Students.**

|                      |         |                       |            |
|----------------------|---------|-----------------------|------------|
| McMichael, C. M..... | Toronto | Montezambert, L. C... | St. Mary's |
|----------------------|---------|-----------------------|------------|



|  |     |
|--|-----|
| Number of students in the First year ..... | 146 |
| Number of students in the Second year..... | 81  |
| Number of students in the Third year.....  | 45  |
| Number of students in the Fourth year..... | 16  |
| Number of occasional students.....         | 2   |
| <hr/>                                      |     |
| Total .....                                | 290 |

### Summary.

|  |      |
|--|------|
| Number of students in Arts in University College ... | 589  |
| Number of students in Arts in Victoria University..  | 271  |
| Number of students in Medicine .....                 | 474  |
| Number of students in Applied Science .....          | 290  |
| <hr/>  |      |
| Total .....  | 1624 |

## HISTORICAL SKETCH.

The movement which ended in the establishment of the University of Toronto as the centre of the educational system of the Province of Ontario originated with General Simcoe, the First Governor of Upper Canada, who repeatedly expressed his conviction, both before his departure from England and also during his term of office (1792-1796), that the best interests alike of the Government and of the inhabitants demanded the establishment of a University in Upper Canada. It was not, however, during his administration that the project assumed a definite form.

In 1797 the Legislative Council and House of Assembly in a joint address to King George III. asked "that his Majesty would be graciously pleased to direct his Government in the Province to appropriate a certain portion of the waste lands of the Crown as a fund for the establishment and support of a respectable Grammar School, in each district thereof; and also a College or University for the instruction of youth in the different branches of liberal knowledge." To this address a favorable answer was transmitted, and the acting Lieutenant-Governor, the Hon. Peter Russell, was directed to determine the manner and character of the appropriation. In accordance with this request the Executive Council of Upper Canada reported on the 1st December, 1798, that an appropriation of 500,000 acres would be sufficient for the support and maintainance of four Grammar Schools and a University. For the foundation of the latter nothing was done until 1827, when a Royal Charter was granted for the establishment at or near York, as Toronto was then called, of a College "with the style and privileges of a University," to be called "King's College," having for its endowment that portion of the grant of "waste lands" originally provided for the University in the report above referred to. These lands were in 1828 exchanged for 225,944 acres of Crown Reserves.

Owing not only to the character of the endowment, which required time for its realization in a form yielding an annual revenue, but also owing to the terms of the charter, which required all the members of the Faculties to be adherents of one particular religious denomination, the opening of the College was delayed for fourteen years. In consequence of public representations on the sectarian character of the College, all religious tests were abolished by an amended charter which passed the two Houses of the Provincial Legislature and received the Royal Assent in 1837. In 1842 the affairs of the University had assumed such a condition as to render its organization possible, and Faculties of Arts, Medicine, Law and Divinity were established. In that year the erection of the College Building was begun on the eastern portion of the site of

the present Legislative Buildings. In 1843 the first matriculation of students took place, and inaugural addresses and lectures were delivered on the 8th and 9th of June of that year.

The agitation which resulted in the amended charter of 1837 had continued after the opening of the College in 1842, owing to efforts made to defeat the purpose of the amendment, and in 1849 an Act of the Legislature effected important modifications in the constitution of King's College whereby all instruction in Divinity was discontinued, and a larger measure of public control of the affairs of the University instituted, through the formation of a Senate, of which a number of the members were appointed by the Crown. The name was now changed from that of the University of King's College to that of "The University of Toronto."

Three years afterwards the University underwent a further transformation, by which the Act of 1853 abolished the Faculties of Medicine and Law, and divided its functions between the two newly organized corporations of the "University of Toronto" and "University College." To the Senate were assigned the duties of framing the curriculum, holding examinations and admitting to degrees in Arts, Law and Medicine, while to the President and Professors of University College, as a distinct and independent corporation with special powers, were assigned the teaching in Arts and the entire discipline and control of students. The models followed in the reorganization of the Universities, it was claimed, were the University of London and University College, London, both of which had then been only recently established. For thirty-four years the University of Toronto and University College performed the functions respectively assigned to them by this Act.

During the early years of the University it experienced repeated changes in its local habitation. The faculty and students of King's College were at first temporarily accommodated in the Parliament Buildings until the erection of the east wing of King's College admitted of the occupation of their own building. From this they were anew transferred to the old Parliament Buildings in 1853, when, by a special Act, the site of King's College was appropriated for the proposed new buildings for the use of the Parliament of Upper and Lower Canada. On the return of the Legislature to Toronto, in 1856, the Faculty resumed the occupation of the old King's College Building, while one formerly in use by the Medical Faculty, situated on the site of the present Biological Building, was being adapted for their occupation. There accordingly the work of the College was carried on, pending the erection of the new University buildings. These buildings were begun in 1856, and on October 4th, 1858, the top stone of the main tower was placed in position by Sir Edmund Head, the Governor-General, an old Oxford professor, the value of whose sympathy and support at this critical period in the history of the University cannot be overestimated.

For thirty-four years the constitution of the University of Toronto and of University College remained unchanged. Other collegiate bodies, principally denominational schools of theology, entered into affiliation with the University, and, with regard to their especial requirements, the course of study in Oriental Languages was augmented, but the Faculty of University College continued to do the work of instruction for nearly all the students in Arts who presented themselves for examination. The candidates for examinations and degrees in Medicine were trained in medical schools in affiliation with the University, and for degrees in Law the examinations were based upon text-books prescribed by the Senate, without teaching.

In 1887 both the University of Toronto and University College were remodelled by the University Federation Act. The main object of renewed legislation was to secure a more uniform standard of higher education by the union of the various denominational universities of Ontario with the Provincial University. Since the proclamation of the Act, Victoria University at Cobourg, representing the Methodist body, has entered into federation with the University of Toronto. The governing body of this institution is now represented on the Senate of the University of Toronto, its graduates elect representatives to the same body, and by the removal of the faculty and students of Victoria University to Toronto, where college buildings have been erected to the north of Queen's Park, the Union of the two universities has been effected. Under the Federation Act, the theological colleges also, formerly in affiliation with the University of Toronto, have become federated colleges, and enjoy increased representation on the Senate.

The Faculty of University College, by the Act of 1887, consists of professors and lecturers in Classical Languages and Literature (including lecturers in Ancient History), Oriental Languages, English, French, German and Moral Philosophy. All other portions of the Arts course are assigned to the Faculty of the University of Toronto, of which the lectures are made equally available to the students of University College, and those of all federating universities and colleges. For the maintenance of certain of the departments of science on a scale demanded by modern methods of research, special provision has been made by the erection of new and the enlargement of old buildings. In the new Biological building every facility is now provided for practical training in Biology and Physiology. The Chemical Building was completed in 1895, and affords similar facilities for practical work in Chemistry.

A Faculty of Medicine in the University of Toronto was established immediately upon the passing of the Act in 1887, and teaching is imparted in all branches of medical science. All the advantages of the Faculty of Arts are available for the students in Medicine, and the laboratories of the scientific departments are utilized equally by students in both faculties.



In 1888 a stimulus was given to the study of scientific methods of farming by the affiliation of the Ontario Agricultural College, and the adoption of a curriculum of study for the degree of Bachelor of the Science of Agriculture. Similarly an examination for the degree of Doctor of Dental Surgery was instituted, as a consequence of the affiliation of the Royal College of Dental Surgeons of Ontario. The College of Pharmacy was subsequently admitted to affiliation, and a curriculum in Pharmacy prescribed. On the affiliation of the Toronto College of Music a curriculum of study was prepared for the degree of Bachelor of Music. The School of Practical Science was affiliated in 1889, and graduates of the School are specially eligible on certain conditions for the degrees of Bachelor of Applied Science and of various degrees in Engineering in the University. By a recent enactment of the Senate a curriculum was prescribed leading to the degree of Bachelor and Doctor of Pedagogy. In 1897 a course of study was established leading to the degree of Doctor of Philosophy in certain of the Arts departments. In 1897 also the Ontario Veterinary College was affiliated.

On February 14th, 1890, the main University building was partly destroyed by fire. In the reconstruction thereby rendered necessary, opportunity was afforded for important improvements in lighting, heating and ventilation. Considerable extension was effected in the numbers, capacity and equipment of the lecture-rooms and laboratories. A new library building was erected on plans embracing the most recent improvements suggested by the experience of leading Universities in the United States and elsewhere. A building for the accommodation of the Gymnasium was erected in 1892, and additions to it were completed in 1894 for the accommodation of student societies.

## BENEFACTIONS AND DONATIONS.

### The Library Building.

|                         |           |                         |             |
|-------------------------|-----------|-------------------------|-------------|
| D. W. Alexander.....\$  | 100 00    | Robert Jaffray (a de-   |             |
| Dr. Barbour .....       | 2,422 22  | benture) .....          | \$ 1,000 00 |
| W. H. Beatty.....       | 1,000 00  | John Keith .....        | 200 00      |
| Bell, Begg & Cowan....  | 100 00    | Kilgour Bros. ....      | 500 00      |
| Caldecott, Burton & Co. | 100 00    | W. D. Matthews.....     | 1,000 00    |
| Canadian Bank of Com-   |           | M. McConnell .....      | 100 00      |
| merce .....             | 1,000 00  | McGaw & Winnett....     | 250 00      |
| Joseph Cawthra .....    | 500 00    | William Mulock.....     | 5,000 00    |
| William Christie .....  | 5,000 00  | H. W. Nelson.....       | 100 00      |
| Copp, Clark Co.....     | 100 00    | E. B. Osler .....       | 10,000 00   |
| George A. Cox.....      | 5,000 00  | Province of Quebec....  | 10,000 00   |
| Miss Cumberland .....   | 3 00      | John Pugsley .....      | 200 00      |
| Davidson & Hay.....     | 1,012 50  | Elias Rogers .....      | 100 00      |
| Rev. A. Dowsley.....    | 4 40      | James Scott .....       | 500 00      |
| The Goldsmith's Co....  | 241 67    | Mrs. Emily Smart.....   | 500 00      |
| Geo. Gooderham .....    | 10,000 00 | Dr. Andrew Smith.....   | 500 00      |
| W. G. Gooderham.....    | 1,000 00  | Dr. Larratt W. Smith..  | 500 00      |
| W. B. Hamilton.....     | 250 00    | Col. Sweny .....        | 500 00      |
| H. C. Hammond.....      | 1,000 00  | Warwick & Sons.....     | 100 00      |
| Dr. John Hoskin.....    | 1,000 00  | Wyld, Grasett & Darling | 200 00      |

### Gymnasium Building.

|                            |        |                           |        |
|----------------------------|--------|---------------------------|--------|
| Collected before 1880      |        | John Macdonald & Co....\$ | 10 00  |
| (names not obtainable). \$ | 650 23 | J. H. McCullough.....     | 2 00   |
| Dr. H. W. Aikins.....      | 25 00  | William Mulock .....      | 600 00 |
| Prof. E. J. Chapman....    | 50 00  | Dr. R. A. Pyne.....       | 10 00  |
| D. B. Dick.....            | 50 00  | Dr. R. A. Reeve.....      | 100 00 |
| J. T. Duncan.....          | 5 00   | Dr. A. H. Wright.....     | 40 00  |
| Literary and Scientific    |        | Prof. R. Ramsay Wright.   | 60 00  |
| Society .....              | 800 00 |                           |        |

### Physical Laboratory.

The following contributions have been made to aid in completing the equipment of the Physical Laboratory:—

|                           |          |                         |       |
|---------------------------|----------|-------------------------|-------|
| Prof. Alfred Baker.....\$ | 50 00    | W. D. LeSeuer.....      | 10 00 |
| J. H. Balderson.....      | 15 00    | Hon. John Macdonald...  | 50 00 |
| George Baptie .....       | 5 00     | Dr. N. MacNish.....     | 25 00 |
| A. K. Blackadar.....      | 20 00    | J. L. McDougall.....    | 50 00 |
| H. S. Brennan.....        | 10 00    | Dr. L. McFarlane.....   | 10 00 |
| Mrs. Alex. Cameron....    | 1,000 00 | Hon. Wm. MacMaster...\$ | 50 00 |
| T. D. Delamere .....      | 20 00    | J. McMillan .....       | 5 00  |
| Prof. Galbraith .....     | 50 00    | F. F. Manly.....        | 10 00 |
| J. C. Glashan.....        | 30 00    | Alfred H. Marsh.....    | 20 00 |
| William Gooderham ....    | 50 00    | Charles Moss .....      | 50 00 |
| F. Hayter .....           | 25 00    | Sir Oliver Mowat.....   | 50 00 |

|                       |        |                        |        |
|-----------------------|--------|------------------------|--------|
| William Mulock .....  | 200 00 | McL. Stewart .....     | 50 00  |
| Dr. W. Oldright.....  | 10 00  | Sir Daniel Wilson..... | 50 00  |
| Dr. R. A. Reeve.....  | 165 00 | Frederick Wyld .....   | 100 00 |
| E. H. Rutherford..... | 50 00  | Prof. G. P. Young..... | 50 00  |
| William Scott .....   | 10 00  |                        |        |

This Laboratory has also received from the Hon. R. H. Meade, C. B., Colonial Office, London, England, the gift of a large Binocular Microscope with accessories.

## Pathological Laboratory.

A subscription list was opened in February, 1890, for the purpose of raising a fund for the equipment of the Pathological Laboratory. The whole sum paid to the Bursar and expended for this purpose was \$1,206.92, after the deduction of \$1.58 for incidental expenses of collection. The following is the list of subscribers:—

|                      |          |                       |          |
|----------------------|----------|-----------------------|----------|
| M. H. Aikins.....    | \$ 40 00 | Mr. Goldie, Galt..... | \$250 00 |
| W. T. Aikins.....    | 250 00   | J. E. Graham.....     | 60 00    |
| G. R. Avison.....    | 13 00    | S. M. Hay.....        | 5 00     |
| L. F. Barker.....    | 5 00     | J. H. Hudson.....     | 5 00     |
| Price Brown.....     | 10 00    | W. H. Johnson.....    | 10 00    |
| J. H. Burns.....     | 5 00     | A Lady .....          | 5 00     |
| Dr. Burt, Paris..... | 10 00    | James Leslie .....    | 10 00    |
| I. H. Cameron.....   | 30 00    | L. McFarlane.....     | 120 00   |
| F. W. Cane.....      | 8 00     | B. E. McKenzie.....   | 10 00    |
| J. Caven .....       | 10 00    | A. McPhedran .....    | 34 00    |
| W. P. Caven.....     | 5 00     | W. Oldright .....     | 3 00     |
| G. S. Cleland.....   | 10 00    | G. A. Peters .....    | 10 00    |
| T. S. Cullen.....    | 5 00     | R. A. Reeve.....      | 150 00   |
| J. T. Duncan.....    | 34 00    | B. L. Riordan.....    | 5 00     |
| A. T. Ellis.....     | 2 00     | R. Rowan .....        | 10 00    |
| J. Ferguson .....    | 30 00    | H. C. Scadding.....   | 3 50     |
| T. A. Ferguson.....  | 5 00     | W. J. Wagner.....     | 5 00     |
| G. Féré.....         | 8 00     | M. Wallace .....      | 8 00     |
| C. M. Foster .....   | 5 00     | A. H. Wright.....     | 20 00    |

## Scholarship Funds.

|  |             |  |           |
|--|-------------|--|-----------|
| Richard Noble Starr, M.<br>D. (Medals in the Fa-<br>culty of Medicine) .....   |             | Dr. A. H. F. Barbour,<br>of Edinburgh (The<br>George Brown Schol-<br>arship in Medical Sci-<br>ence) ..... | 5,055 56  |
| Bankers of Toronto,<br>viz., The Canadian<br>Bank of Commerce,<br>the Dominion, Im-<br>perial, Standard and<br>Traders' Banks, and<br>the Union Bank of<br>Lower Canada (Political<br>Science) ..... | \$ 1,200 00 | Hon. Edward Blake<br>(Matriculation Schol-<br>arships) .....   | 15,000 00 |
|  |             | Hon. Edward Blake<br>(Mathematics, Physics<br>and Science) .....   | 3,750 00  |

|   |             |   |          |
|---|-------------|---|----------|
| George Brown Scholarship, by Friends of the late Hon. Geo. Brown (Modern Languages) ..... | 1,054 82    | William Ramsay, of Bowlands, Scotland (Political Economy)..   | 1,009 42 |
| Alexander T. Fulton (Mathematics, Physics and Science)....                                | 3,000 00    | Julius Rossin, M.A., of Hamburg, Germany (Modern Languages).  | 1,000 90 |
| Hon. John Macdonald (Philosophy) .....  | 1,950 00    | T. B. P. Stewart.....   | 961 32   |
| Friends of the late Hon. Alexander Mackenzie (Political Science) .                        | 16,425 00   | Toronto Committee of the American Association for the Advancement of Science (Mathematics, Physics and Science) .....   | 2,350 00 |
| Moss Scholarship, by friends of the late Hon. Chief Justice Moss (Classics) .....         | \$ 2,000 00 | Daniel Wilson Scholarship, by a friend of the late Sir Daniel Wilson (Chemistry and Mineralogy and Natural Science) ... | 2,000 00 |
| Mary Mulock (Matriculation Classics) .....  | 2,000 00    | The Young Memorial Fund, by friends of the late Professor George Paxton Young   | 3,018 74 |
| William Mulock (Classics, Mathematics)...   | 2,000 00    |   |          |
| His Royal Highness the Prince of Wales (Matriculation) .....                              | 900 00      |   |          |

### Annual Donations.

- His Excellency the Governor-General, *Gold and Silver Medals.*  
 Professor Chapman, *Prizes for Mineralogy and Geology.*  
 Minister of Foreign Affairs for the Kingdom of Italy, *Prizes for Italian.*  
 F. T. Shutt, M.A., *Medal for Natural Science.*  
 J. C. Glashan, LL.D., *Medal for Mathematics.*  
 Alumni of Ottawa, *Medal for Physics.*  
 The Senate of Knox College, *Two Scholarships in Oriental Literature.*  
 Frederick Wyld, Esq., *Prize for English Composition.*  
 Goldwin Smith, M.A., D.C.L., William Dale, M.A., *Matriculation Scholarships in Classics.*  
 The Medical Faculty, *Four Undergraduate Scholarships, one Gold and three Silver Medals.*  
 R. A. Reeve, B.A., M.D., *a Scholarship for Medical Research.*  
 J. W. Flavell, Esq., *a Travelling Fellowship in Classics or English and History.*  
 Hon. J. M. Gibson, *a Matriculation Scholarship.*  
 Daniel Clark, M.D., *Prizes for Medical Psychology.*  
 Members of the Executive of the Toronto Board of Trade, 1901, *Prizes of \$250 for Course in Commerce.*  
 P. W. Ellis, Esq., Toronto, *Medals in the Commercial Course and in the Department of Political Science.*



## Library Funds.

The King Alfred Millenary Fund, a donation from Professor Goldwin Smith and Mrs. Smith, \$10,000.

## Donations of Books.

Since the destruction of the University Library by fire in 1890, upwards of 30,000 volumes have been presented by various persons and organizations. For a complete list of these, see Appendix to Calendars of 1894, 1895, 1896, 1897, 1898, 1899, 1900 and 1901. The following donations have been received between May, 1901, and May, 1902:—

Government of Belgium, 1 Vol.; Government of Canada, 29 Vols.; Government of Cape Colony, 4 Vols.; Government of France, 22 Vols., 14 Pamphlets; Government of Manitoba, 2 Vols.; Government of New South Wales, 10 Pamphlets; Government of Ontario, 27 Vols.; Government of Italy, 2 Vols., 2 Pamphlets; Government of Quebec, 2 Vols.; Government of United States, 10 Vols., 7 Pamphlets; State of Indiana, 1 Vol.; State of Maine, 1 Vol.; State of Massachusetts, 1 Vol.; State of Michigan, 2 Vols.; State of Minnesota, 1 Vol.; State of New York, 2 Vols.; State of New Jersey, 1 Vol.; State of Rhode Island, 1 Vol.; American Historical Association, 2 Vols.; Australian Association for the Advancement of Science, 1 Vol.; American Museum of Natural History, 3 Vols.; Bureau of Bremische Statistik, 1 Vol.; British Museum, 10 Vols.; Boston Public Library, 2 Pamphlets; Bergen's Museum, 1 Vol., 3 Pamphlets; Buffalo Society of Natural Sciences, 1 Vol.; Carnegie Museum, Pittsburgh, 4 Pamphlets; Clinical Society of London, 1 Vol.; Connecticut Historical Society, 1 Pamphlet; Chicago Public Library, 1 Pamphlet; Cambridge Philosophical Society, 6 Pamphlets; Free Libraries Committee, Birmingham, 1 Pamphlet; Geological Society of America, 1 Pamphlet; Geological Society of London, 1 Pamphlet; Glasgow Hospital, 3 Vols.; H. M. Stationery Office, 1 Pamphlet; Hamilton Scientific Association, 1 Pamphlet; Howard Association, 10 Pamphlets; Institution of Civil Engineers, 4 Vols.; Institution of Mechanical Engineers, 3 Vols., 1 Pamphlet; Institute of Chemistry, London, 2 Pamphlets; John Crerar Library, 1 Pamphlet; Johns Hopkins Press, 1 Vol.; Konigl. Sachs. Gesell. d. Wiss., Leipzig, 7 Pamphlets; Konigl. Preuss. Akademie d. Wiss., Berlin, 29 Pamphlets; Kaiserl. Leopold-Carolin. Deutsche Akademie d. Naturforscher, Halle, 3 Vols., 35 Pamphlets; Lewis Institute, 1 Pamphlet; Massachusetts Institute of Technology, 1 Vol.; Minnesota Historical Society, 1 Vol.; Missouri Botanical Gardens, 1 Vol.; Naturforschende Gesellschaft, Bern., 2 Pamphlets; Natural Academy of Sciences, Washington, 1 Vol.; New York Historical Society, 1 Vol.; Ontario Society of Architects, 1 Pamphlet; Pathological Society of London, 1 Vol.; Public Library, Toronto, 1 Pamphlet; Rochester Theological Seminary, 1 Pamphlet; Royal Society of Canada, 1 Vol.; Royal Historical Society, 1 Vol.;

Royal Commission to the Paris Exposition, 5 Pamphlets; Royal Library, Copenhagen, 1 Vol.; Royal Society of New South Wales, 1 Vol.; Royal Institution of Great Britain, 1 Pamphlet; Royal Academy of Sciences, Amsterdam, 16 Pamphlets; Royal Irish Academy, 7 Pamphlets; Royal Colonial Institute, 2 Vols.; Royal Library, Copenhagen, 1 Vol.; Rochester Academy of Science, 1 Pamphlet; Radcliffe Library, Oxford, 1 Pamphlet; Senckenbergische Naturf. Gesell., Frankfurt, 1 Pamphlet; St. Thomas' Hospital, London, 1 Vol.; Smithsonian Institution, 5 Vols., 8 Pamphlets; Thompson Yates Laboratories, Liverpool, 5 Vols.; Verein f. Schlesische Insektenkunde, 1 Pamphlet; Virginia Historical Society, 1 Pamphlet; Wyoming Historical and Geological Society, 1 Vol.; Wisconsin State Historical Society, 1 Vol.; Westfälischer Prov. Verein, 1 Pamphlet; Zoological Society of London, 4 Pamphlets.

Aberdeen, University of, 3 Vols.; Auckland University, 1 Vol.; Amherst College, 1 Pamphlet; Amsterdam, University of, 57 Pamphlets; Alma Ladies' College, 1 Pamphlet; Bowdoin College, 6 Pamphlets; Bishop's College, Lennoxville, 3 Pamphlets; Birmingham, University of, 1 Vol.; Brown University, 1 Pamphlet, 1 Vol.; Basel Universität, 200 Pamphlets; Bruxelles, Université de, 1 Pamphlet; Bonn Universität, 78 Pamphlets; Columbia University, 1 Vol., 1 Pamphlet; University of Coimbra, 1 Pamphlet; Chicago, University of, 1 Vol., 2 Pamphlets; Collegiate School of St. John Baptist, Antigonish, 1 Pamphlet; College of the Holy Cross, Worcester, 1 Pamphlet; Cornell University, 8 Pamphlets; Canterbury College, 1 Vol.; California, University of, 1 Pamphlet; Dalhousie College, 1 Pamphlet; Detroit College of Medicine, 1 Pamphlet; Dartmouth College, 1 Vol.; Dundee University, 1 Pamphlet; Essex Institute, 1 Vol., 10 Pamphlets; Erlangen Universität, 193 Pamphlets; Edinburgh, University of, 1 Vol.; Giessen Universität, 93 Pamphlets; Glasgow University, 4 Vols.; Glasgow and West of Scotland Technical School, 1 Pamphlet; Göttingen Universität, 1 Pamphlet; Grenoble, Université de, 1 Vol.; Graz Universität, 1 Pamphlet; Harvard University, 1 Vol.; Hartford Theological Seminary, 1 Pamphlet; Heidelberg University, 20 Pamphlets; Indiana University, 1 Pamphlet; Iowa, University of, 1 Pamphlet; Johns Hopkins University, 32 Pamphlets; Jena University, 106 Pamphlets; Knox College, 1 Pamphlet; Kansas University Quarterly, 1 Pamphlet; Kansas University, 1 Pamphlet; Leland Stanford University, 2 Pamphlets; Lyon, Université de, 1 Pamphlet; Louvain, Université de, 1 Vol.; Leiden, University of, 9 Pamphlets; Lund, Universität, 4 Pamphlets; Laval University, 1 Pamphlet; Lille, Université de, 1 Pamphlet; Mt. Allison College, 1 Pamphlet; McGill University, 1 Vol., 11 Pamphlets; Michigan, University of, 1 Vol., 1 Pamphlet; Melbourne, University of, 2 Pamphlets; Marburg Universität, 2 Pamphlets; Minnesota, University of, 1 Pamphlet; Missouri, University of the State, 1 Pamphlet; Manitoba College, 1 Pamphlet; Northwestern University, Chicago, 1 Pamphlet; Nebraska, University of, 1 Pamphlet; New York, University of the State of, 5 Vols., 18 Pamphlets; North Dakota, State

University of, 1 Pamphlet; Ontario College of Pharmacy, 1 Pamphlet; Owens College, 3 Pamphlets; Ohio State University, 1 Vol.; Ottawa, University of, 1 Pamphlet; Princeton University, 3 Vols.; Pennsylvania, University of, 3 Vols., 12 Pamphlets; Panjab University, Lahore, 1 Vol.; Università Degli Studi di Padova, 1 Pamphlet; Presbyterian College, Halifax, 1 Pamphlet; Queen's University, Kingston, 2 Pamphlets; Rochester, University of, 1 Vol.; Royal College of Surgeons, London, 2 Vols.; St. Andrew's University, 2 Vols.; Sydney, University of, 1 Vol.; Strassburg Universität, 6 Pamphlets; University di Sassari, 1 Pamphlet; St. Francis Xavier University, 1 Pamphlet; Technische Hochschule, Darmstadt, 1 Pamphlet; Tokyo University, 2 Pamphlets; Tübingen Universität, 49 Pamphlets; Trinity University, Toronto, 1 Vol., Toulouse Université de, 4 Pamphlets; Upsala Universitet, 28 Pamphlets; Utrecht, University of, 29 Pamphlets; University of N. Wales, 1 Vol., 1 Pamphlet; University Nacional de Buenos Aires, 1 Pamphlet; Virginia, University of, 1 Pamphlet; Vassar College, 1 Pamphlet; Vermont, University of, 1 Pamphlet; Wisconsin, University of, 1 Vol., 13 Pamphlets; Williams College, 1 Pamphlet; Women's Medical College, Baltimore, 1 Pamphlet; Wesley College, Winnipeg, 1 Pamphlet; Wesleyan University, 1 Pamphlet; Würzburg Universität, 118 Pamphlets; Yale University, 4 Vols., 1 Pamphlet.

Bequest of Rev. Canon Scadding, 2,500 Vols.; Prince of Monaco, 1 Vol.; Adams Memorial Committee, Cambridge, 1 Vol.; Ami, H. M., Ottawa, 7 Pamphlets; Baylis, S. M., Montreal, 1 Vol.; Blake, Hon. S. H., 1 Pamphlet; Messrs. Butterworth & Co., London, 1 Vol.; Bell & Sons, London, 1 Vol.; J. A. Cooper, Toronto, 1 Pamphlet; City Treasurer, Montreal, 1 Pamphlet; Copp, Clark Co., Toronto, 11 Vols.; Clarendon Press, Oxford, 1 Vol.; City Registrar, Providence, 2 Pamphlets; Cormack, J. D., London, Eng., 3 Vols.; Elliott, J. H., Muskoka Sanitorium, 2 Vols.; Fairclough, Prof., Leland Stanford University, 1 Vol.; A. Fitzpatrick, Nairn Centre, 1 Pamphlet; Fraser, Prof., Toronto, 17 Vols.; Ferguson, Prof., Glasgow, 48 Pamphlets; Goppelsroeder, Prof., Basel, 1 Vol.; Gilbert, Sir Henry, 11 Vols., 4 Pamphlets; Gillis, E., Toronto, 3 Vols.; Hardy, E. A., Lindsay, 1 Pamphlet; Horton-Smith, L., Cambridge, 1 Pamphlet; Judson, A. B., New York, 12 Pamphlets; Heywood, C. J., Manchester, 1 Vol.; Loudon, President, 1 Vol.; Munro, W. F., Toronto, 2 Vols.; Morris, E., Toronto, 2 Pamphlets; Mills, Wesley, Montreal, 1 Vol.; Merck, E., 1 Vol., 1 Pamphlet; Oxford Press, 2 Vols.; Squair, Prof., Toronto, 1 Vol.; Shortt, Prof., Kingston, 3 Pamphlets; Prince, Prof., New York, 4 Pamphlets; Revei, J., Rouen, 1 Vol.; Edw. Thompson Co., Northport, 4 Vols.; Sawyer, Sir James, Birmingham, 1 Vol.; Unsworth, R., Fergus, 1 Vol.; Walker, B. E., Toronto, 1 Pamphlet; Welcker, A., San Francisco, 1 Pamphlet; Weinberg, B., University of Odessa, 1 Pamphlet; Young, A. H., Toronto, 1 Pamphlet; Zubiaus, J. B., Buenos Aires, 1 Pamphlet.

## Museum.

The following donations were received by the Biological Museum from May 15th, 1901, up to May 15th, 1902:—

1. A valuable series of specimens illustrative of the Fauna of Borneo—chiefly Mammalian Skins and Skeletons—from Charles Hose, Esq., Resident, Baram District, Sarawak.
2. Specimen of Saw-whet Owl, from James Brebner, Esq., B.A., '91.
3. Two molars of Mammoth, found in Dawson City, from Byron E. Walker, Esq.
4. Various specimens of natural history and ethnology, from A. C. Panton, Esq., M.B., '82, Portland, Oregon.
5. Mounted Secretary Bird, from Somaliland, from Captain R. Lloyd-Phillips, First Life Guards.
6. Mounted specimen and skeleton of Giant Tortoise, from the Galapagos Islands, from Joseph Kilgour, Esq.
7. Specimen of Jamaica Bat, from F. I. Routh, Esq.
8. Enlarged photograph of Cariboo herd in the Barren Lands, from Joseph B. Tyrrell, Esq., M.A., '89.
9. Collection of fossil corals from Manitoulin Islands, Dr. A. J. Hunter, B.A., '91.
10. A series of Canadian birds, collected and mounted by himself, from Mr. R. T. Anderson, '04.
11. Specimens of Rainbow Darters, from Maitland River, Ont., from Mr. B. D. Grant, Goderich.
12. Dr. Hibbert Winslow Hill, Boston, Dentons, Moths and Butterflies of the United States.
13. Frederic Nicholls, Esq., \$25; Kilgour Brothers, \$125.

## Portraits and Works of Art.

The following portraits and works of art have been presented to the University:—

1. A portrait of the late Hon. William Hume Blake (oil painting by T. Hamel), presented by the Hon. Edward Blake.
2. A portrait of the Hon. Edward Blake, Chancellor 1876-1900 (oil painting by E. Wyly Grier), presented by graduates and friends.
3. A portrait of Prof. E. J. Chapman (oil painting by Miss Frances Sutherland), presented by the artist.
4. A portrait of the late Professor Henry Holmes Croft (oil painting by A. Dickson Patterson), presented by friends of Professor Croft.
5. A portrait of the late President Dr. McCaul (oil painting by A. Dickson Patterson), presented by the artist.
6. A portrait of the late Chief Justice Moss, Vice-Chancellor 1875-1881 (oil painting by Miss C. S. Berthon, copy of oil painting by M. Berthon), presented by the Hon. Mr. Justice Moss.



7. A portrait of the late Right Reverend Bishop Strachan (oil painting copy), presented by the Council of University College.

8. A portrait of the late President Sir Daniel Wilson (oil painting by A. Dickson Patterson), presented by friends of Sir Daniel Wilson.

9. A portrait of Professor E. J. Chapman (oil painting by A. Dickson Patterson), presented by graduates and friends.

10. A marble bust of the late Professor George Paxton Young (by Hamilton McCarthy), presented by friends of Professor Young.

11. A portrait of the late Professor George Paxton Young (oil painting by W. Allaire Shortt), presented by the artist.

12. Steel engraving of Sir John Colbourn, afterwards Lord Seaton, Lieutenant-Governor of Upper Canada from 1830 to 1838, presented by Mr. Henry Hutchison.

13. "The Call to Duty" (oil painting by Paul Giovanni Wickson), presented to the Medical Faculty by the artist.

14. The "Marriage of the Duke of York" and "The King of Denmark's First Visit," commemorative medals, presented by the Town Clerk of London, England.

15. Bronze medal commemorative of the sesquicentennial anniversary of the founding of the College of New Jersey (Princeton University), presented by the Trustees of Princeton University.

16. Bronze medal commemorative of the 150th anniversary of the capture of Louisbourg in 1745, presented by the Louisbourg Memorial Committee of the General Society of Colonial Wars.

17. Bronze medal commemorative of the 50th anniversary of Sir George Gabriel Stokes' appointment to a professorship in the University of Cambridge.

18. Busts of Dr. W. T. Aikins, Dr. J. H. Richardson, and Dr. H. H. Wright, by the Medical Faculty and other friends.

19. Bust of the late Hon. George Brown, and portrait of the late Professor Croft, by Dr. Reeve.

20. Portraits of their Royal Highnesses the Prince and Princess of Wales, presented by their Royal Highnesses, as a souvenir of their visit to the University in 1901.

21. Portrait of the Hon. William Mulock, M.P., LL.D., Ex-Vice-Chancellor of the University, presented by members of the Senate and other friends.

22. A steel engraving after Turner, by the late Sir Daniel Wilson, presented by Charles James Heywood, Esq., Manchester, Eng.

23. A collection of medals and coins, bequeathed by the late Dr. Scadding.

## Other Donations.

1. Cannon-ball from the siege of Louisbourg, 1744, presented by Alexander F. Sabine, Philadelphia.
2. Argand lamp from the laboratory of the late Professor W. H. Balmain, Mechanics Institution, 1845-1847, Liverpool, donated by Richard Unsworth, B.A., Fergus.

## University Studies.

The following is a list of Studies published up to May, 1902, together with those in preparation at that date:—

History, 1st Series—Review of Historical Publications relating to Canada, edited by Professor George M. Wrong and H. H. Langton, Vols. I.-VI., Publications of the years 1896-1901.

History and Economics, Vol I.—1. Louisbourg in 1745, the anonymous "Lettre d' un Habitant de Louisbourg," edited and translated by Professor George M. Wrong.

2. Preliminary Stages of the Peace of Amiens, by H. M. Bowman.

3. Public Debts in Canada, by J. Roy Perry.

History and Economics, Vol. II.—1. City Government in Canada, by S. Morley Wickett. Westmount, A Municipal Illustration by W. D. Lighthall. Municipal Government in Toronto, by S. Morley Wickett.

History and Economics, Extra Volume.—Early Trading Companies of New France, by H. P. Biggar.

Psychological Series, Vol. I.—1. Comprising Spatial Threshold of Colour and its Dependence on Contrast Phenomena, by W. B. Lane, with Appendices.

2. A Contribution to the Psychology of Time, by M. A. Shaw and F. S. Wrinch.

3. Experiments on Time Relations of Poetical Metres, by A. S. Hurst and John McKay.

4. Conceptions and Laws in Aesthetic, by Professor A. Kirschmann. Experiments on the Aesthetic of Light and Colour, by Emma S. Baker. Experiments with School-children on Colour Combination, by W. J. Dobbie.

Biological Series, No. 1.—The Gametophyte of *Botrychium Virginianum*, by E. C. Jeffrey.

Biological Series, No. 2.—The Anatomy of the Osmundacæ, by J. H. Faull.

Physiological Series, No. 1.—The Structure, Micro-Chemistry and Development of Nerve-Cells with Special Reference to their Nuclein Compounds, by F. H. Scott.

Physiological Series, No. 2.—On the Cytology of Non-Nucleated Organisms, by Professor A. B. Macallum.

Physiological Series, No. 3.—Observations on Blood Pressure, by R. D. Rudolf.

Anatomical Series, No. 1.—The Anatomy of the Orang-Outang, by Professor A. Primrose.

Geological Series, No. 1.—The Huronian of the Moose River Basin, by W. A. Parks.

## Theses Accepted for the Degree of Doctor of Philosophy.

FREDERICK HUGHES SCOTT. 1900.

The Structure, Micro-Chemistry and Development of Nerve Cells, with special reference to their nuclein compounds. University of Toronto Studies, Physiological Series No. 1. 1900. Transactions of the Canadian Institute. 1898-99, Vol. 6, Parts 1 and 2. pp. 405-438.

JOHN CUNNINGHAM, McLENNAN. 1900.

Electrical Conductivity in Gases Traversed by Cathode Rays. 1900. Philosophical Transactions of the Royal Society of London. Series A, Vol. 195, pp. 49-77.

FRANCIS BARCLAY ALLAN. 1901.

The Basic Nitrates of Bismuth. 1901, American Chemical Journal, Vol. XXV., No. 4, April, 1901, pp. 307-315.

WILLIAM ARTHUR PARKS. 1900.

The Huronian of the Basin of the Moose River. University of Toronto Studies, Geological Series, No. 1, 1900.

ROSS GEORGE MURISON. 1902.

The Mythical Serpents of Hebrew Literature. [1902.]

RICHARD DAVIDSON. 1902.

The Semitic Permanative-Perfect. [1902.]

## Special Lectures.

The following special lectures were delivered in the University during the session 1901-1902:—

M. HADAMARD, of the University of Paris, on A comparison of the three concepts, the limiting ratio, the infinite series, and the definite integral, as serving for a basis for the infinitesimal analysis.

M. HUGUES LEROUX, of Paris, France, on “Le Roman contemporain, est-il une peinture exacte de la Société Française ?”

DR. J. C. GLASHAN, of Ottawa, four lectures on “The Matrix Analysis of the Concomitants of Quantics,”

## Local Lectures.

To meet the demand for popular lectures on literary and scientific subjects, a committee of the Councils has been annually appointed for several years back to arrange for the delivery of such lectures by members of the Faculty at various centres throughout the Province, and also in Toronto. In order to extend the benefits of the lectures as widely as possible the services of the lecturers are placed at the disposal of any literary or scientific organization desiring them, as far as is consistent with the academic engagements of the lecturers. During the present academic year 41 lectures have been delivered at 24 local centres. The following programme of lectures was prepared and circulated early in the session:—

PROFESSOR W. J. ALEXANDER—

- (1) Aims in Life and Education; (2) The Function of Poetry; (3) The Poetry of Robert Browning; (4) Tennyson's "In Memoriam"; (5) The Novel, its Origin and Use; (6) The Novels of Jane Austen; (7) Robert Louis Stevenson (one or two lectures as desired).

PROFESSOR E. I. BADGLEY—

- (1) The Ring of Gyges; (2) Plato's Contribution to Christian Thought; (3) Immanuel Kant, His Ethics and Religious Teachings; (4) John Stuart Mill; (5) Herbert Spencer.

PROFESSOR ALFRED BAKER—

- (1) "The Hard-grained Muses of the Cube and Square"; (2) Genius in Science—Sir William Rowan Hamilton; (3) Astrology; (4) Hero of Alexandria—A Study in Greek Mathematical Science; (5) The Science of the Ancient Greeks, and the Debt we Owe Them; (6) The Nebular Hypothesis; (7) The Beginnings of Astronomy.

MR. J. HOME CAMERON, M.A.—

- (1) The English Pre-Raphaelites\* (one or two lectures as desired).

MR. ST. ELME DE CHAMP, B ÈS L.—

- (1) L'Aiglon; (2) Le Roman Français avant 1850; (3) Le Roman Français Contemporain.

PROFESSOR A. P. COLEMAN—

- (1) The Canadian Lakes; (2) The Rivers of Canada; (3) The Rocky Mountains; (4) The Klondike.

PROFESSOR PELHAM EDGAR—

- (1) Nationalism in Poetry and Canadian Poets; (2) The Nature Poetry of Our Great English Poets; (3) Shelley, the Man and the Poet.

*\*With lantern illustrations,*



## PROFESSOR W. H. FRASER—

- (1) Dante and the Divina Commedia; (2) Manzoni, Hugo and the Romantics; (3) Mediæval Italy and Florence of the Renaissance; (4) A Glimpse of Italy; (5) Michael Angelo;\* (6) Raphael.\*
- (1) The Evolution of an Author—A Study of Young Goethe; (2) Faust; (3) Influence of English Literature on the German of the Eighteenth Century; (4) Life in England in the Days of Alfred; (5) Kipling; (6) Canadian Literature; (7) Early Canadian Magazines and Authors.

## PROFESSOR J. G. HUME—

- (1) How to Think; (2) Eras of Doubt and Triumphs of Faith in Ancient and Modern Times (two lectures), (3) Problems of Social Reform.

Professor Hume is also prepared to give series of Lectures in Ethics and the History of Philosophy.

## PROFESSOR MAURICE HUTTON

- (1) The Statesmen of Athens; (2) Greek Virtues and Theories of Life; (3) The Women of Greece; (4) Some Oxford Types (1st series); (5) Some Oxford Types (2nd series); (6) The Mind of Herodotus; (7) Some Aspects of Classical Education; (8) The Roman, the Greek, the Englishman and the Frenchman (one or two lectures as desired); (9) Plato on University Education; (10) The Antigone of Sophocles; (11) Athenian Literature (1st period); (12) Athenian Literature (2nd period); (13) Roman Life, Literature and Later Analogies (two lectures), (14) Plutarch; (15) The Tyrants of Greece; (16) Some Educational Controversies; (17) Robert Browning as a Greek Scholar.

Professor Hutton is also prepared to deliver series of Lectures on the Antigone of Sophocles, on the History of the Gracchi, and on the History of the Tyrants of Greece.

## MR. D. R. KEYS, M.A.—

- (1) The American Humorists; (2) The Life and Times of Shakespeare; (3) Macaulay; (4) Thackeray; (5) Scott; (6) Gladstone as a Writer; (7) Matthew Arnold, the Apostle of Culture; (8) Oliver Wendell Holmes; (9) The Italy of the Ring and the Book; (10) Alfred, King of the Anglo-Saxons.

## PROFESSOR J. F. MCCURDY—

- (1) The Message of Israel; (2) Our Debt to the East; (3) Bible Lands and Peoples; (4) The Beginning of the World; (5) Our Eastern Words and Their Story; (6) The Bible in the Schools: Needs and Obligations; (7) The Bible in the Schools: Difficulties and Methods; (8) The Poetry of the Bible; (9) Greece, Rome and Israel; (10) The Prophets of Israel.

*\*With lantern illustrations.*

PROFESSOR J. F. McLAUGHLIN—

- (1) Mohammed and His Koran; (2) The Story of the Hebrew Bible; (3) The Story of the English Bible; (4) The Poetry of the Hebrews.

PROFESSOR A. B. MACALLUM—

- (1) Life and Culture of Prehistoric Man; (2) The Brain and its Functions; (3) Life and Works of Huxley.

MR. EUGENE MASSON—

- (1) Madame de Stael; (2) Lamartine; (3) Dumas père; (4) Dumas fils.

PROFESSOR JAMES MAVOR—

- (1) Russia;\* (2) The Paris Exposition.\*

MR. R. G. MURISON, M.A., B.D.—

- (1) A Buried Civilization; (2) Recent Discoveries in Egypt; (3) Animal Worship.

MR. G. H. NEEDLER, B.A., PH.D.—

- (1) The German Empire and Its People; (2) Heinrich Heine and Young Germany; (3) Martin Luther from the Literary Standpoint; (4) The Nibelungenlied—the Iliad of Germany.

PROFESSOR A. H. REYNAR—

- (1) Literature, Its Nature and Its Uses; (2) Classics, Ancient and Modern; (3) King Alfred and the English of a Thousand Years Ago; (4) Chaucer; (5) Robert Browning; (6) Elizabeth Barrett Browning.

PROFESSOR J. C. ROBERTSON—

- (1) Glimpses of Greek Life; (2) The Contribution of Greece to Civilization; (3) Social Ideals of Plato and William Morris; (4) Saint Socrates; (5) The Republic of Plato; (6) The Story of Our Mother Tongue.

MR. F. TRACY, B.A., PH.D.—

- (1) The Republic of Plato; (2) Stoicism and Christianity.

MR. S. M. WICKETT, B.A., PH.D.—

- (1) The Study of Political Economy; (2) Money; (3) City Government in Canada.

PROFESSOR R. RAMSAY WRIGHT—

- (1) Malaria and Mosquitoes (illustrated with diagrams); (2) The Microscopic Life of the Sea.\*

PROFESSOR G. M. WRONG—

- (1) Oliver Cromwell; (2) Napoleon I. and Russia; (3) The Historian's Sphere of Work.

PROFESSOR J. MCGREGOR YOUNG—

- (1) The Royal Prerogative; (2) The Monroe Doctrine.

*\*With lantern illustrations.*

### SATURDAY PUBLIC LECTURES.

The following lectures were delivered in the University of Toronto during the session of 1901-1902:—

| <i>Subject.</i>  | <i>Lecturer.</i>                |
|--|---------------------------------|
| Readings from "Johnnie Courteau".....  | Dr. W. H. Drummond              |
| The Growth of the Klondyke—A Four Years' Retrospect, with lantern illustrations..... | F. Wade, Esq.                   |
| The Tooth of Time.....   | Professor A. P. Coleman         |
| Some University Ideals.....  | Rev. Professor Halliday Douglas |
| Reminiscences of Cambridge.....  | Rev. Provost Macklem            |
| The Monroe Doctrine.....   | Professor McGregor Young        |

### UNIVERSITY EXTENSION.

The following statute, relating to University extension work, was passed by the Senate in April, 1894:—

1. A standing committee of seven members of Senate shall be appointed annually for the purpose of carrying on "University Extension" work of a kind similar to that carried on under the same designation in connection with the Universities of Cambridge and Oxford.

2. The Committee shall have authority to appoint a secretary, define his duties and fix his remuneration.

3. No part of the expense incurred for teaching and examining done at "local centres" of instruction, or for secretarial work done under the authority of the Committee, or for any other purpose connected with University extension, shall be a charge on the ordinary revenue of the University.

4. It shall be the duty of the Committee, subject to ratification by the Senate, to appoint teachers and examiners for approved or prescribed courses of study at local centres, and to grant certificates to such students as may have passed the final examination in each course, and complied with other conditions prescribed from time to time by the Committee.

5. It shall be the duty of the secretary to keep a register, in which shall be entered the name and address of each student who obtains a certificate, with a description of the course of study in which he has passed, and such other particulars as the Committee may from time to time order to be inserted.

## UNIVERSITY STUDENT SOCIETIES.

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 '03; L. C. Coleman, '04; W. H. Tackaberry, '04  
*Woman's Literary Society*..Miss M. L. McGarry, '03; Miss A. B. Ran-  
 kin, '04; Miss Steele, '05  
*School of Practical Science*.....C. R. Young, '03; A. G. Lang, '03  
*Faculty of Medicine*.....M. Cameron, '05  
*Royal College of Dental Surgeons*.....G. E. Long  
*Wycliffe College*.....W. E. Taylor, B.A.  
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## Medical Faculty Young Men's Christian Association.

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*Conveners of Committees for Senior Years: Handbook*, C. W. Freeman, B.A.; *Reception*, G. R. Snyder; *Devotional*, D. S. Johnstone; *Musical*, W. A. Wilson; *Missionary*, J. Knipfel; *Membership*, D. F. McKinley.

*Conveners of Committees for Junior Years: Bible Study*, D. F. McLachlan; *Missionary*, W. S. Lemon; *Membership*, M. E. Gowland; *Music*, C. S. Stapleford.

## Mathematical and Physical Society.

### OFFICERS.

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## Philosophical Society.

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## Natural Science Association.

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|   |   |
|---|---|
| <p><i>Pres.</i>.....F. H. Scott, B.A., Ph.D.<br/> <i>1st Vice.</i>.....C. H. Russell, '03<br/> <i>2nd Vice.</i>.....R. E. Gaby, '03<br/> <i>Rec. Sec.</i>.....J. D. Loudon, '03<br/> <i>Cor. Sec.</i>.....F. S. Carr, '04</p> | <p><i>Treas.</i>.....C. B. Parker, '04<br/> <i>Curator.</i>....W. F. McPhedran, '05<br/> <i>4th Yr. Rep.</i>.....S. B. Chadsey<br/> <i>3rd Yr. Rep.</i>.....J. H. White<br/> <i>2nd Yr. Rep.</i>.....R. Mills</p> |
|---|---|

## Political Science Club.

### OFFICERS.

|  |  |
|--|--|
| <p><i>Hon. Pres.</i>.....S. M. Wickett,<br/>           B.A., Ph.D.<br/> <i>Pres.</i>.....G. D. Grey<br/> <i>1st Vice-Pres.</i>.....W. J. Vanston<br/> <i>2nd Vice-Pres.</i>.....J. C. Sherry</p> | <p><i>Sec.</i>.....E. R. Read<br/> <i>Treas.</i>.....G. W. Ballard<br/> <i>4th Yr. Coun.</i>.....H. C. Bell<br/> <i>3rd Yr. Coun.</i>.....Robert Baird<br/> <i>2nd Yr. Coun.</i>.....N. B. Stark</p> |
|--|--|

**Medical Society.****OFFICERS.**

|  |  |
|--|--|
| <i>Hon. Pres.</i> .....Dr. R. A. Reeve | <i>Ass. Treas.</i> .....D. F. McKinley |
| <i>Hon. Treas.</i> .....Dr. Rudolf     | <i>Cor. Sec.</i> .....B. J. Ferguson   |
| <i>Pres.</i> .....G. E. Wilson         | <i>Curator.</i> .....A. F. Malloy      |
| <i>Vice-Pres.</i> .....R. J. A. McComb | <i>Coun.</i> .....R. H. Bonnycastle    |
| <i>Rec. Sec.</i> .....N. Kyle          | <i>Coun.</i> .....D. A. Sinclair       |
| <i>Treas.</i> .....A. T. Carson        |  |

**Harmonic Club.****OFFICERS.**

|  |                                      |
|--|--------------------------------------|
| <i>Hon. Pres.</i> ....A. H. Abbott, B.A. | <i>Sec.-Treas.</i> .....L. A. Panton |
| <i>Pres.</i> .....H. M. Darling          | <i>Curator.</i> .....G. F. Scott     |
| <i>Hon. Vice-Pres.</i> .....C. L. Wilson | <i>Bus. Mgr.</i> .....A. H. Adams    |
| <i>Vice-Pres.</i> .....E. Thomson        |                                      |

**Athletic Association.****DIRECTORS.**

|  |  |
|--|--|
| <i>Pres.</i> .....President Loudon       | <i>Dir.</i> ..Rev. D. B. Macdonald, B.A. |
| <i>Vice-Pres.</i> ....W. B. Hendry, B.A. | <i>Dir.</i> .....R. M. Millman, B.A.     |
| <i>Sec.-Treas.</i> .....W. G. Wood       | <i>Dir.</i> .....Wm. Elwell              |
| <i>Dir.</i> .....Prof. McCurdy           | <i>Dir.</i> .....S. P. Biggs             |
| <i>Dir.</i> .....Prof. Wright            | <i>Dir.</i> .....J. H. Chown             |

The Athletic Association is now the paramount body in University Athletics, and has entire jurisdiction over the athletic clubs using the University name, and over their finances, members and policy, subject to the University authorities. Henceforth no financial arrangement can be entered into by any such club without the sanction of the Directorate. No expenditure of any kind in connection with any such club can be made without the written order of the Secretary-Treasurer of the Directorate.

**Gymnasium Club.****OFFICERS.**

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| <i>Hon. Pres.</i> .....Prof. McCurdy | Representatives—                    |
| <i>Pres.</i> .....H. Carveth         | <i>School.</i> .....R. Bryce        |
| <i>Vice-Pres.</i> .....W. A. Gregg   | <i>School.</i> .....J. F. Hamilton  |
| <i>Sec.-Treas.</i> .....S. A. Schaef | <i>Medicine.</i> .....G. Hare       |
| Representatives of Arts—             | <i>Victoria</i> .....R. Pearson     |
| <i>4th Yr.</i> .....A. E. Honeywell  | <i>Dentals.</i> .....W. H. Wood     |
| <i>3rd Yr.</i> .....J. G. Parker     | <i>Knox.</i> ..Dan. W. S. Urquhart  |
| <i>2nd Yr.</i> .....E. Fidler        | <i>Wycliffe.</i> .....R. M. Millman |

**The Gymnasium.**

The Gymnasium, including gymnasium proper, locker rooms and baths, is open daily from 8.30 a.m. to 6 p.m. to all Members.

The following is the time-table for class work, including military drill:—

|                                    |  |
|------------------------------------|--|
| <i>Gymnasium Class</i> .....       | 4 to 6.15 p.m., Monday, Wednesday, Friday. |
| <i>Fencing Class</i> .....         | 4 to 6.15 p.m., Tuesday, Thursday.         |
| <i>General Work</i> .....          | Saturday (all day).                        |
| <i>Ladies' Fencing Class</i> ..... | 11 to 12, Monday.                          |
| <i>Ladies' Fencing Class</i> ..... | 10 to 12, Tuesday.                         |
| <i>Ladies' Fencing Class</i> ..... | 3 to 4, Thursday.                          |
| <i>Ladies' Fencing Class</i> ..... | 11 to 1, Saturday.                         |

Work in the Gymnasium will begin promptly the first week in October. During the Fall Term a course of instruction will also be given in rifle drill, bayonet, quarter-staff, dumb-bells and club-swinging, and instruction in boxing and wrestling may be obtained. During the hours that Class work is going on all members other than those in the Class will be excluded from the floor. All members wishing information as to further regulations are requested to apply to the Instructor, Sergeant Williams, or to some of the members of the Executive.

## Track Club.

### OFFICERS.

|                        |                   |                         |            |
|------------------------|-------------------|-------------------------|------------|
| <i>Hon. Pres</i> ..... | H. J. Crawford    | <i>Vice-Pres</i> .....  | W. G. Wood |
| <i>Pres</i> .....      | Dr. W. E. Wilmott | <i>Sec.-Treas</i> ..... | R. Cumming |
| <i>Vice-Pres</i> ..... | O. E. Henderson   | <i>Manager</i> .....    | R. Biggs   |

## Golf Club.

### OFFICERS.

|                         |                  |                        |               |
|-------------------------|------------------|------------------------|---------------|
| <i>Hon. Pres</i> .....  | President Loudon | <i>Committee</i> ..... | Mr. Milner    |
| <i>Captain</i> .....    | Prof. Wrong      | "                      | Mr. Keys      |
| <i>Sec.-Treas</i> ..... | Prof. Alexander  | "                      | Mr. Gillespie |
| <i>Committee</i> .....  | Prof. Hutton     | "                      | Mr. Darling   |
| "                       | Dr. Needler      |                        |               |

## Cricket Club.

### OFFICERS.

|                             |                      |                        |                |
|-----------------------------|----------------------|------------------------|----------------|
| <i>Hon. Pres</i> ....       | J. W. Flavelle, Esq. | <i>Curator</i> .....   | F. Rathbun     |
| <i>Hon. Vice-Pres</i> ..... | Dr. Lang             | <i>Committee</i> ..... | N. K. McLeod   |
| <i>Hon. Vice-Pres</i> ..    | E. P. Brown, B.A.    | "                      | W. W. Wright   |
| <i>Pres</i> .....           | H. L. Hoyles         | "                      | A. C. Snively  |
| <i>Vice-Pres</i> ....       | M. C. Cameron, B.A.  | "                      | H. E. Beatty   |
| <i>Vice-Pres</i> .....      | A. W. Mackenzie      | "                      | G. B. Reynolds |
| <i>Captain</i> .....        | F. W. Baldwin        | "                      | F. Davison     |
| <i>Curator</i> .....        | R. Read              |                        |                |

## Rugby Football Club.

### OFFICERS.

|                               |                     |                                       |                   |
|-------------------------------|---------------------|---------------------------------------|-------------------|
| <i>Hon. Pres</i> .....        | Prof. McCurdy       | <i>3rd &amp; 4th Yr. Med. Rep.</i> .. | G. Biggs          |
| <i>Hon. Vice-Pres</i> ..      | Dr. J. A. Amyot     | <i>1st &amp; 2nd Yr. Med. Rep.</i> .. | J. McLaren        |
| <i>Pres</i> .....             | W. E. Douglas, B.A. | <i>S. P. C. Rep.</i> ....             | A. L. McLennan    |
| <i>Vice-Pres</i> .....        | W. G. Campbell      | <i>Knox Rep.</i> .....                | D. W. S. Urauhart |
| <i>4th Yr. Arts Rep</i> ....  | H. Wallace          | <i>Victoria Rep.</i> .....            | H. J. Chown       |
| <i>3rd Yr. Arts Rep</i> ....  | G. W. Ballard       | <i>St. Michael's Rep.</i> ....        | W. Collins        |
| <i>2nd Yr. Arts Rep</i> ..... | E. Boyd             | <i>Dental Rep.</i> .....              | W. G. Wood        |

**Baseball Club.**

## OFFICERS.

|   |                                      |
|---|--------------------------------------|
| <i>Hon. Pres.</i> .....A. T. DeLury, B.A. | <i>2nd Yr. Rep.</i> .....A. G. Ross  |
| <i>Pres.</i> .....H. J. Symington         | <i>1st Yr. Rep.</i> .....R. Williams |
| <i>Vice-Pres.</i> .....C. Weldon          | <i>Victoria.</i> .....L. R. Eckardt  |
| <i>Mgr.</i> .....H. Chown                 | <i>Pharmacy.</i> .....E. Hamilton    |
| <i>Captain.</i> .....F. A. McDiarmid      | <i>Dentals.</i> .....A. Johnston     |
| <i>Sec.-Treas.</i> .....D. Kapelle        | <i>S. P. S.</i> .....C. Coulson      |
| <i>4th Yr. Rep.</i> .....W. Little        | <i>Senior Meds.</i> .....E. Davey    |
| <i>3rd Yr. Rep.</i> .....R. E. DeLury     | <i>Junior Meds.</i> .....G. Biggs    |

**Lacrosse Club.**

## OFFICERS.

|  |                                  |
|--|----------------------------------|
| <i>Hon. Pres.</i> .....President Loudon          | “ “ .....F. Dickson, '04         |
| <i>Hon. Vice-Pres.</i> .....Prof. McCurdy        | “ “ .....R. B. McKinnon, '05     |
| <i>Pres.</i> .....W. J. Hanley, B.A.             | “ <i>Meds.</i> .....W. B. Hendry |
| <i>1st Vice-Pres.</i> .....J. A. Martin, '02     | “ “ .....Hamilton                |
| <i>2nd Vice-Pres.</i> .....W. H. McNeil, '03     | “ <i>S. P. S.</i> .....Bowles    |
| <i>Captain.</i> .....Harold Campbell             | “ “ .....W. Evans                |
| <i>Mgr. &amp; Sec.</i> .....G. F. McFarland, '02 | “ <i>Dents.</i> .....A. Cerswell |
| <i>Com. Arts.</i> .....T. N. Phelan, '02         | “ “ .....W. G. Wood              |
| “ “ .....H. W. O'Flynn, '03                      |                                  |

**Hockey Club.**

## OFFICERS.

|  |                                     |
|--|-------------------------------------|
| <i>Hon. Pres.</i> .....W. T. Jennings, Esq.,<br>C.E. | <i>Vice-Pres.</i> .....J. Parry     |
| <i>Hon. Vice-Pres.</i> .....W. J. Hanley             | <i>Sec.-Treas.</i> .....S. A. Trees |
| <i>Pres.</i> .....A. J. Isbester                     | <i>Manager.</i> .....A. Magee       |
|  | <i>Captain.</i> .....F. H. Broder   |

**Lawn Tennis Club.**

## OFFICERS.

|   |  |
|---|--|
| <i>Hon. Pres.</i> .....Dr. S. M. Wickett      | <i>Sec.-Treas.</i> .....G. B. Reynolds |
| <i>Hon. Vice-Pres.</i> .....Dr. G. H. Needler | <i>Coun.</i> .....S. P. Biggs          |
| <i>Pres.</i> .....H. Carveth                  | <i>Coun.</i> .....H. Chown             |
| <i>Vice-Pres.</i> .....H. W. O'Flynn          | <i>Coun.</i> .....H. C. Soothran       |

**Fencing Club.**

## OFFICERS.

|  |   |
|--|---|
| <i>Hon. Pres.</i> .....Mr. Gibson        | <i>Sec.-Treas.</i> .....D. L. H. Forbes     |
| <i>Pres.</i> .....W. C. Greig            | <i>Curator.</i> .....J. C. Overend          |
| <i>Vice-Pres.</i> .....D. W. S. Urquhart | <i>Maitre d'Armes.</i> .....Sergt. Williams |

**Chess Club.**

## OFFICERS.

|                                     |   |
|-------------------------------------|---|
| <i>Hon. Pres.</i> .....Prin. Hutton | <i>Sec.-Treas.</i> .....Mr. Crystal       |
| <i>Pres.</i> .....W. M. Treadgold   | <i>Curator.</i> .....C. H. Fowler         |
| <i>Vice-Pres.</i> .....L. K. File   | <i>S. P. S. Rep.</i> .....J. H. Alexander |



## University College.

### BENEFACTIONS AND DONATIONS.

#### Residence Extension Fund.

|                                    |          |                        |          |
|------------------------------------|----------|------------------------|----------|
| Dr. A. H. Barbour, Edinburgh ..... | \$484 44 | Sir Daniel Wilson..... | \$200 00 |
|------------------------------------|----------|------------------------|----------|

#### Women's Residence Fund.

In 1893 an association of ladies was formed, with the object of obtaining funds for the erection of a Residence for women students in connection with University College. A beginning has been made in the work of securing subscriptions. The following is the list of subscribers to this fund up to the 30th of June, 1901:—

|                           |        |                           |        |
|---------------------------|--------|---------------------------|--------|
| *Dr. W. L. T. Addison..\$ | 100 00 | *Mr. James Coyne.....     | 25 00  |
| *Mrs. W. H. B. Aikins..   | 5 00   | *Mr. James Crane.....     | 5 00   |
| Mr. D. W. Alexander....   | 25 00  | *Miss E. Creighton.....   | 2 00   |
| *Mr. Baird .....          | 5 00   | *Miss E. M. Curzon...     | 2 00   |
| Prof. Alfred Baker....    | 100 00 | Prof. W. Dale.....        | 100 00 |
| **Miss Eliza M. Balmer    |        | *Miss L. Darling.....     | 2 00   |
| (\$25 paid) .....         | 50 00  | Mrs. A. T. DeLury.....    | 50 00  |
| *Miss Jean Balmer (per    |        | *Miss A. Dickey.....      | 2 00   |
| Mrs. Balmer) .....        | 25 00  | Miss Gertrude Eastwood.   | 25 00  |
| Mr. Robert Balmer.....    | 50 00  | *Mr. J. W. Flavelle....   | 50 00  |
| *Dr. and Mrs. Barbour     |        | *Miss E. C. Fleming...    | 25 00  |
| (Edinburgh) .....         | 485 55 | *Prof. Fletcher .....     | 25 00  |
| *Mr. Alfred Benjamin.     | 10 00  | Prof. W. H. Fraser.....   | 100 00 |
| *Miss C. C. Benson.....   | 10 00  | Messrs. Freer and Patter- |        |
| *Hon. Edward Blake....    | 500 00 | son .....                 | 100 00 |
| *Mrs. Edward Blake....    | 500 00 | *A Friend .....           | 5 00   |
| Hon. S. H. Blake.....     | 600 00 | *Miss Helen J. Gervais.   | 1 00   |
| **Mrs. Alfred Briggs      |        | Miss Greenshields .....   | 100 00 |
| (\$2.00 paid) .....       | 10 00  | *A Graduate .....         | 2 00   |
| *Mrs. Geo. Brown (Edin-   |        | *A Graduate .....         | 2 00   |
| burgh) .....              | 48 50  | *A Graduate .....         | 50     |
| *Miss E. Bunnell.....     | 2 00   | *Greek Play, '01.....     | 540 25 |
| *Mrs. A. F. Campbell...   | 1 00   | *Mr. W. B. Hamilton..     | 100 00 |
| *Mr. A. H. Campbell....   | 25 00  | *Mrs. W. B. Hamilton..    | 100 00 |
| *Through Miss Carter,     |        | Miss Julia Hillock.....   | 25 00  |
| Elora .....               | 36 00  | Prof. J. G. Hume.....     | 100 00 |
| The Misses Carty.....     | 50 00  | Principal Hutton .....    | 25 00  |
| *Mr. Wm. Christie.....    | 500 00 | Dr. E. C. Jeffrey.....    | 25 00  |
| *Miss N. Cleary.....      | 2 00   | *Mrs. E. C. Jeffrey.....  | 2 00   |
| *Miss E. N. Cluff.....    | 2 00   | Miss Laura L. Jones....   | 40 00  |
| *College of Music (Anti-  |        | *Mrs. Edward Jones....    | 8 00   |
| gone '02) .....           | 113 25 | Miss Gertrude Lawler..    | 50 00  |

|  |        |   |          |
|--|--------|---|----------|
| **President Loudon (\$50 paid) .....           | 150 00 | Mrs. Fred Sykes.....                                      | 50 00    |
| *Mrs. Loudon .....                             | 50 00  | Miss Emily Thompson...                                    | 25 00    |
| *Miss A. C. Macdonald..                        | 2 00   | *Miss Veals .....   | 10 00    |
| *Mrs. MacGillvray .....                        | 5 00   | *Mr. B. E. Walker....                                     | 100 00   |
| Miss Mary Ard MacKenzie .....                  | 20 00  | Hiram Walker & Sons...                                    | 1,000 00 |
| *Mrs. MacLennan .....                          | 10 00  | R. & T. Watson.....                                       | 100 00   |
| The Misses MacMurchy..                         | 25 00  | *Miss Wilson (Edinburgh) .....                            | 25 00    |
| Prof. James Mavor.....                         | 100 00 | Senator A. T. Wood....                                    | 250 00   |
| *Mr. W. J. Mitchell....                        | 5 00   | **Prof. R. Ramsay Wright (\$25 paid)....                  | 100 00   |
| Moss, Hoyles and Aylesworth .....              | 50 00  | Prof. G. M. Wrong.....                                    | 50 00    |
| *Miss Mowat .....                              | 25 00  | *Women Students (Class '95) .....                         | 16 00    |
| Sheriff Mowat .....                            | 25 00  | *Women's Glee Club Concert (1899) .....                   | 19 00    |
| Dr. G. H. Needler .....                        | 25 00  | *Ladies' Association, Ottawa .....                        | 60 00    |
| *Dr. Osler (Baltimore)..                       | 25 00  | *Ladies' Association, Ottawa (additional) ...             | 25 85    |
| *Mrs. E. B. Osler.....                         | 50 00  | *Ladies' Association, Toronto (proceeds of concert) ..... | 70 00    |
| *Mr. John Penman (Paris, Ont.) .....           | 50 00  | *Saturday Lectures (1899) .....                           | 373 00   |
| *Mrs. R. A. Reeve.....                         | 40 00  | *Saturday Lectures (1900) .....                           | 346 75   |
| *Mrs. J. Ross Robertson.                       | 25 00  | *Women's Glee Club Concert (1900) .....                   | 15 35    |
| *Miss Charlotte Ross....                       | 25 00  |   |          |
| Rowell & Hutcheson....                         | 200 00 |   |          |
| *Miss Claribel Smith....                       | 2 00   |   |          |
| *Miss Nellie Spence....                        | 25 00  |   |          |
| *Prof. John Squair.....                        | 100 00 |   |          |
| *Prof. Morse Stephens (proceeds of lecture)... | 113 00 |   |          |
| *Mrs. Sweeney .....                            | 20 00  |   |          |

The Treasurer of the fund is Mrs. Torrington, 12 Pembroke street, to whom subscriptions may be sent.

\*Signifies paid in full.

\*\*Signifies paid in part.

## STUDENT SOCIETIES.

### Young Men's Christian Association.

The Y.M.C.A. of University College was organized in 1873, and incorporated in 1892. The Association had no permanent quarters until the erection of the present building in 1886.

The Canadian Colleges' Mission in connection with the Y.M.C.A. seeks to interest the Students of the University in the different phases of Foreign Mission work, and will, this year, contribute to the support of Mr. F. W. Anderson, a graduate of the University of Toronto, who goes in October to work among the students of the University of Calcutta. The C.C.M. includes now nearly all the institutions of higher learning in Canada, and issues a monthly paper devoted to the discussion of missionary topics.

The officers are: President, Prof. Hume; Treasurer, Dr. W. Harley Smith; Secretary, J. L. McPherson, B.A.; Editor, A. H. Abbott, B.A.

Following are the officers-elect for the Y.M.C.A. for 1901-1902:—

|   |   |
|---|---|
| <i>Pres.</i> .....W. J. Baird, '03          | <i>Asst.-Treas.</i> ....D. A. MacKay, '05 |
| <i>1st Vice-Pres.</i> F. G. Killmaster, '03 | <i>Rec.-Sec.</i> .....A. C. Cameron, '05  |
| <i>2nd Vice-Pres.</i> F. A. Gray, S.P.S.    | <i>Gen. Sec.</i> .....R. B. Cochrane      |
| <i>Treas.</i> .....D. C. McGregor, '04      |   |

*Conveners of Committees:* *Membership*, T. W. Graham, '03; *Devotional*, J. C. Ross, '03; *Rooms*, E. R. Read, '03; *City Missions*, A. Thompson, '03; *Bible Study*, E. A. McIntyre, '04; *Fall Campaign*, A. G. Portch, '05; *Finance*, D. C. McGregor, '04; *Music*, F. A. Sadler, '04; *Missionary*, W. M. McKay, '03; *Inter-Collegiate*, F. W. Broadfoot, '03.

## Young Women's Christian Association.

### OFFICERS.

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| <i>Hon. Pres.</i> .....Mrs. Johnston | <i>Tres.</i> .....Miss Johnston   |
| <i>Pres.</i> .....Miss Lough         | <i>Rec. Sec.</i> .....Miss Wilkie |
| <i>Vice-Pres.</i> .....Miss Latter   | <i>Cor. Sec.</i> .....Miss Duncan |

*Conveners of Committees:* *Membership*, Miss Brown; *Missionary*, Miss Glass; *Music*, Miss Fletcher; *Lunch Room*, Miss Weir; *Secretary of Bible Class*, Miss Pringle; *Leader of Missionary Study Class*, Miss Rae.

## Literary and Scientific Society.

### OFFICERS.

|  |  |
|--|--|
| <i>Pres.</i> .....James Brebner, B.A.    | <i>Treas.</i> .....L. A. Eedy, '04         |
| <i>1st Vice-Pres.</i> W. H. McGuire, '03 | <i>Sec. of Com.</i> ....C. A. French, '05  |
| <i>2nd Vice-Pres.</i> W. H. Vance, '04   | <i>Hist. Sec.</i> ....C. H. Colquhoun, '03 |
| <i>3rd Vice-Pres.</i> W. P. Barclay, '05 | <i>4th Yr. Coun.</i> C. H. Armstrong, '03  |
| <i>Rec. Sec.</i> .....W. H. Day, '03     | <i>3rd Yr. Coun.</i> ....S. E. Moore, '04  |
| <i>Critic.</i> .....C. H. Russell, '03   | <i>2nd Yr. Coun.</i> F. H. Hopkins, '05    |
| <i>Curator.</i> .....S. P. Biggs, '03    | <i>2nd Yr. Coun.</i> .....— McCoy, '05     |
| <i>Cor. Sec.</i> .....H. G. O'Leary, '04 |  |

## Women's Literary Society.

### OFFICERS.

|  |   |
|--|---|
| <i>Hon. Pres.</i> ..Miss A. W. Paterson,<br>B.A. | <i>Treas.</i> .....Miss H. Latter       |
| <i>Pres.</i> .....Miss F. E. Brown               | <i>Cor. Sec.</i> .....Miss L. Carpenter |
| <i>Vice-Pres.</i> .....Miss J. Fraser            | <i>4th Yr. Rep.</i> ....Miss G. Pringle |
| <i>Rec.-Sec.</i> .....Miss A. McClive            | <i>3rd Yr. Rep.</i> ....Miss G. Rowan   |
|  | <i>2nd Yr. Rep.</i> .....Miss M. Davis  |

**Class Societies.****OFFICERS.****1902.**

|                            |                  |                          |                     |
|----------------------------|------------------|--------------------------|---------------------|
| <i>Pres.</i> .....         | E. A. Coffin     | <i>Orator.</i> .....     | W. O. Walker        |
| <i>1st Vice-Pres.</i> .... | Miss F. H. Ross  | <i>Prophetess.</i> ....  | Miss E. L. E. Peers |
| <i>2nd Vice-Pres.</i> .... | F. A. McDiarmid  | <i>Poetess.</i> .....    | Miss M. M. Phillips |
| <i>Sec.</i> .....          | J. W. Cunningham | <i>Historians.</i> ....  | W. H. Rutherford    |
| <i>Treas.</i> .....        | A. L. Chipman    | “.....                   | Miss A. Campbell    |
| <i>Mus. Dir.</i> .....     | W. C. Klotz      | <i>Councillors.</i> .... | D. L. Cranston      |
| <i>Athl. Dir.</i> .....    | F. H. Broder     | “.....                   | T. N. R. Phelan     |
| <i>Judge.</i> .....        | N. R. Gray       | “.....                   | Miss M. E. Marshall |
| <i>Critic.</i> .....       | W. T. Green      | “.....                   | Miss M. V. Bibby    |

**1903.**

|                            |                  |                          |                   |
|----------------------------|------------------|--------------------------|-------------------|
| <i>Pres.</i> .....         | H. L. Hoyles     | <i>Poet.</i> .....       | F. G. Kilmaster   |
| <i>1st Vice-Pres.</i> .... | Miss M. McDonald | <i>Orator.</i> .....     | J. W. Baird       |
| <i>2nd Vice-Pres.</i> .... | W. Nichol        | <i>Judge.</i> .....      | J. G. Lorrinan    |
| <i>Sec.</i> .....          | C. H. Armstrong  | <i>Historians.</i> ....  | A. G. Brown       |
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# INDEX.

| PAGE.                                | PAGE.                                 |
|--------------------------------------|---------------------------------------|
| Affiliated Colleges .....275-300     | Civil Engineering, Examiners 21       |
| Agriculture, Curriculum, etc.. 252   | Classics .. 101, 158, etc.            |
| Agriculture, Examiners..... 22       | Clinical Instruction (see also        |
| Anatomy ..... 206                    | Hospitals) ..... 210, 212, 218        |
| Applied Science, Curriculum.. 244    | Commencement, University, date 7      |
| Applied Science, Examiners .. 21     | Commercial Course ..... 271           |
| Applied Science, Faculty..... 18     | Constitutional History, 88, 121, 124, |
| Arabic ..... 120                     | 151-157                               |
| Aramaic .. 119, 120                  | Constitution, Functions ..... 30      |
| Arts, Curriculum in .. 70-132        | Council, University, meetings. 7      |
| Arts Examinations, date .... 7       | Council, University College,          |
| Arts, Examiners ..... 20             | meetings ..... 7                      |
| Arts, Instruction in..... 41         | Councils (see University, Uni-        |
| Arts, Instructors in ..... 12-15     | versity College).                     |
| Arts, List of Students in, App. 2    | Courses ..... 70                      |
| Arts, Regulations and Curricu-       | Curriculum, Arts . . . . 70-132       |
| lum in ..... 70                      | Dentistry, Curriculum, etc .... 247   |
| Assyrian ..... 120                   | Dentistry, Examiners .. .... 22       |
| Athletic Association, App. .. 41     | D.D.S., Degree of ..... 247           |
| Athletic Grounds ..... 37            | Dining Hall ..... 39                  |
| Athletics ..... 37                   | Discipline ..... 32                   |
| Attendance, Dispensation .... 74     | Dispensation from Attendance 74       |
| Bachelor of Arts ..... 40, 70        | Donations, App.... 25, 44             |
| B. A. Sc., Degree of ..... 244       | D. Pæd., Degree of ..... 268          |
| Benefactions, App. . 25, 44, etc.    | English .... 82, 87, 92, 94, 96, 98   |
| Biology . 92, 94, 127, 128, 142, 203 | Enrolment of Students, date.. 7       |
| Biology, Laboratories .. ... 34      | Entrance, Arts ..... 40               |
| Biology, Museum ..... 35, 203        | Entrance, Medicine .. ... 44, 232     |
| Board and Lodging... .. 39, 169      | Ethics ..... 125, 164                 |
| Botany ..... 91                      | Ethnology ..... 121, 144              |
| B. Pæd., Degree of ..... 267         | Ethnology, Museum ..... 36            |
| B. S. A., Degree of ..... 252        | Examinations ..... 42, 46             |
| Calendar ..... 7                     | Examinations, Applications,           |
| C. E., Degree of ..... 245           | ..... 7, 72, 73                       |
| Chemistry, 85, 90, 96, 126, 140-201  | Examinations, Notice, date... 75      |
| Chemistry, Laboratory ..... 35       | Examinations, Various, date of 7      |
| Chemistry and Mineralogy .. 130      | Examinations, Medicine .. 234-237     |
| Civil Engineering, Curriculum 245    | Examinations, Regulations .. 42       |
|                                      | Examinations, Supplemental . 73       |

|  | PAGE.   |   | PAGE.        |
|--|---------|---|--------------|
| Examiners, List of, 1902 ....  | 20      | Law, Examiners ....                         | 21           |
| Fees (General, Laboratory,<br>Practical Instruction, La-<br>boratory Supplies, Occa-<br>sional Students, Library,<br>Enrolment, etc.) .... | 53-58   | Law (see Political Science)<br>.....        | 151-158      |
| Fees, Medicine .....   | 225     | Lectures, Arts, Time-table of               | 8            |
| Fellowships ....   | 43, 67  | Lectures, Arts and Medicine,<br>date .....  | 7            |
| Fellowships, Applications, date  | 7       | Lectures, Dispensation from..               | 74           |
| Fellowships, University ....   | 69      | Lectures, Public .....                      | 37           |
| French .... 83, 88, 93, 95, 97   |         | Library .....                               | 32           |
| General Course, Regulations.   | 75      | LL.B., Degree of .....                      | 192          |
| Geology ..... 6, 128, 139  |         | Lodging and Board ....                      | 39, 169      |
| Geology, Laboratory.....   | 35      | Logic .....                                 | 95, 125, 147 |
| German .... 84, 89, 93, 95, 97   |         | M.A., Theses, date .....                    | 7            |
| Greek ..... 83, 86, 93, 94, 96   |         | Master of Arts, Degree. ..                  | 40, 79       |
| Grounds, Applications for use<br>of .....  | 38      | Materia Medica. ....                        | 208          |
| Gymnasium .....  | 37      | Mathematics 81, 85, 90, 94, 126, 136        |              |
| Gymnastics and Physical Drill  | 274     | Matriculation, Arts ....                    | 40, 70, 81   |
| Gynæcology ....  | 216     | Matriculation, Junior .                     | 40, 70, 81   |
| Hebrew .. . 93, 95, 97, 100, etc.  |         | Matriculation, Junior, Curri-<br>culum.. .. | 81           |
| Historical, University, App... 21  |         | Matriculation, Junior, Exami-<br>ners ..... | 21           |
| History ..... 85, 89, 93, 95, 97   |         | Matriculation, Medicine ....                | 232          |
| History and Geography .. 85, 89  |         | Matriculation, Pass Standard.               | 71           |
| Honor Course, Regulations ..   | 78      | Matriculation, Scholarships at              | 59           |
| Hospitals... .. 217-223  |         | Matriculation, Senior ..                    | 40, 70, 71   |
| Hygiene .....  | 213     | M.B., Degree of .....                       | 232          |
| Instruction, Arts, Allotment<br>of Subjects .....  | 41      | M.D., Degree of .....                       | 238          |
| Instruction, Arts ... ..   | 136     | Medallists, Medicine ....                   | 241          |
| Instruction, Medicine: ..  | 201-231 | Medals, Medicine .....                      | 228, 240     |
| Italian ..... 105, 107, 109, 112   |         | Medals, University ..                       | 65           |
| Junior Matriculation, Arts... 81   |         | Medals, University College ..               | 172          |
| Knox College .....   | 279     | Medical Faculty, Meetings ...               | 7            |
| Laboratories .....   | 33      | Medical Jurisprudence .....                 | 215          |
| Laryngology .....  | 217     | Medicine .....                              | 210          |
| Latin .... 82, 86, 93, 95, 96, 99  |         | Medicine, Clinical .....                    | 210          |
| Law, Curriculum .....  | 192     | Medicine, Courses of Lectures<br>in .....   | 201          |
| Law, Examinations, date ..   | 7       | Medicine, Examinations, date                | 7            |
|  |         | Medicine, Examinations ..                   | 234-237      |
|  |         | Medicine, Examiners .....                   | 21           |
|  |         | Medicine, Faculty of ....                   | 15-18        |
|  |         | Medicine, Graduates, 1902 ..                | 242          |
|  |         | Medicine, Instructors in ....               | 15           |

|                                   | PAGE.    |                                 | PAGE.        |
|-----------------------------------|----------|---------------------------------|--------------|
| Students, Summary of Lists,       |          | University, Council, Discipline | 31           |
| App. ....                         | 20       | University, Council, List of    |              |
| Students' Union .....             | 39       | Members .....                   | 27           |
| Supplemental Examinations, 73, 75 |          | University, Council, Meetings.  | 7            |
| Supplemental Examinations,        |          | University Fees .....           | 53-57        |
| date .....                        | 7        | University, Historical Sketch,  |              |
| Surgery .....                     | 211      | App. ....                       | 21           |
| Surgery, Clinical .....           | 212      | University, Medicine, List of   |              |
| Syriac .....                      | 119      | Instructors in .....            | 15           |
|                                   |          | University, Constitution and    |              |
| Terms, dates of .....             | 7        | Administration of .....         | 21           |
| Terms, Regulations relating       |          | University and University Col-  |              |
| to .....                          | 52, 170  | lege Administrative Officers    | 14           |
| Term-Work .....                   | 77       | University and University       |              |
| Text-books, Medicine .....        | 223      | College, Officers of Instruc-   |              |
| Text-books (see Various De-       |          | tion, List of .....             | 12           |
| partments).                       |          | University College, Arts, In-   |              |
| Therapeutics .....                | 208      | structors in .....              | 14           |
| Time-table, Arts, Lectures..      | 8        | University College, Arts, In-   |              |
| Time-table, Medicine, Lec-        |          | struction in, Subjects of .     | 168          |
| tures .....                       | 229, 230 | University College, Council..   | 168          |
| Theology, Options .....           | 76       | University College, Council,    |              |
| Toronto College of Music ...      | 295      | Constitution, Functions ....    | 31           |
| Toronto Conservatory of Mu-       |          | University College Council,     |              |
| sic .....                         | 297      | Discipline .....                | 168          |
| Toxicology .....                  | 214      | University College, Council,    |              |
| Trinity Medical College ....      | 286      | Meetings .....                  | 7            |
| Trustees, Board of .....          | 23       | University Extension, App. ...  | 38           |
| Trustees, Constitution, Func-     |          | University Studies, 36; App.    | 33           |
| tions .....                       | 28       |                                 |              |
| Undergraduate Union .....         | 39       | Veterinary College .....        | 299          |
| Undergraduates, Arts, Regu-       |          | Victoria University. 175-191,   | 280          |
| lations .....                     | 74       | Victoria University, Arts, In-  |              |
| Undergraduates, Medicine,         |          | struction in, Subjects of ..    | 184          |
| Regulations .....                 | 232      | Victoria University, Arts Fac-  |              |
| University, Arts, Instruction     |          | ulty .....                      | 14, 181      |
| in Subjects .....                 | 41       | Victoria University, Theologi-  |              |
| University, Arts, List of In-     |          | cal Options, Instruction in     |              |
| structors in .....                | 12       | .....                           | 42, 184      |
| University, Commencement,         |          | Woman's Medical College ..      | 288          |
| date .....                        | 7        | Wycliffe College .....          | 277          |
| University, Council, Constitu-    |          |                                 |              |
| tion, Functions .....             | 30       | Zoology .....                   | 91, 127, 142 |



| PAGE.  | PAGE.  |
|--|--|
| Medicine, List of Students, App. .... 12         | Public Lectures ..... 36   |
| Medicine, Medals ..... 228, 240                  | Public Lectures, App. .... 34, 38  |
| Medicine, Regulations ..... 233                  | Registration in Arts and Medicine, date of ..... 7                           |
| Medicine, Text-books ..... 223                   | Residence ..... 39, 169  |
| Mental Diseases ..... 215                        | Rhinology ..... 217  |
| Metaphysics .. 126, 149                          | Royal College of Dental Surgeons .... 290                                    |
| Mineralogy ..... 128, 139                        | Saturday Lectures, App. .... 38  |
| Mineralogy and Geology 128, 139                  | Scholarships, Matriculation, Applications, date ..... 7                      |
| Mineralogy and Geology, Laboratory ..... 35      | Scholarships, Arts, University 59-67   |
| Modern Languages .. 104, 145, 159                | Scholarships, Arts, University College ..... 171-172                         |
| Museums ..... 35                                 | Scholarships, Medicine .. 227, 238   |
| Mus. Bac., Degree of ..... 259                   | School of Practical Science.. 281  |
| Music, Curriculum ..... 259                      | School of Practical Science, Examinations, date ..... 7                      |
| Music, Examiners ..... 22                        | School of Practical Science, Students, List of, App. .... 17                 |
| Music, Local Examinations .. 266                 | Senate, Constitution, Functions ..... 29                                     |
| Natural Science .... 128, 137-143                | Senate, List of Members .... 23  |
| Obstetrics ..... 266                             | Senate, Meetings, date ..... 7   |
| Ontario Agricultural College.. 293               | Senior Matriculation, Arts .. 71   |
| Ontario College of Pharmacy 292                  | Societies, App. .... 39, 45  |
| Ophthalmology ..... 217                          | Spanish .. 106, 107, 109, 112, 145   |
| Options, Theological, etc .... 76                | St. Michael's College ..... 276  |
| Oriental Languages and Literature ..... 119, 162 | St. Michael's College, Instruction in Modern History and Philosophy ..... 42 |
| Otology ..... 217                                | Students, Applied Science, List of, App. .... 17                             |
| Pass, Standard for Matriculation ..... 71        | Students, General Information for ..... 32                                   |
| Pathology ..... 213                              | Students, Arts, List of, App. 2  |
| Pedagogy, Curriculum .... 267-270                | Students, Medicine, List of, App. .... 12                                    |
| Pharmacy, Curriculum ..... 250                   | Students, Registration and Enrolment, date of ..... 7                        |
| Pharmacy, Examiners ..... 22                     | Students, Regulations relating to ..... 52, 170                              |
| Ph.D., Degree of ..... 133                       | Students, Societies of, 37, App. .... 39, 45                                 |
| Philosophy ..... 125, 147, 164                   |  |
| Phm.B., Degree of ..... 250                      |  |
| Physics 81, 90, 94, 98, 126, 137, 202, etc.      |  |
| Physics, Laboratory ..... 33                     |  |
| Physiology ..... 208                             |  |
| Political Science ..... 123, 151                 |  |
| Prizes, University ..... 64                      |  |
| Prizes, University College .. 172                |  |
| Psychology ..... 45, 125, 148                    |  |
| Psychology, Laboratory .... 33                   |  |

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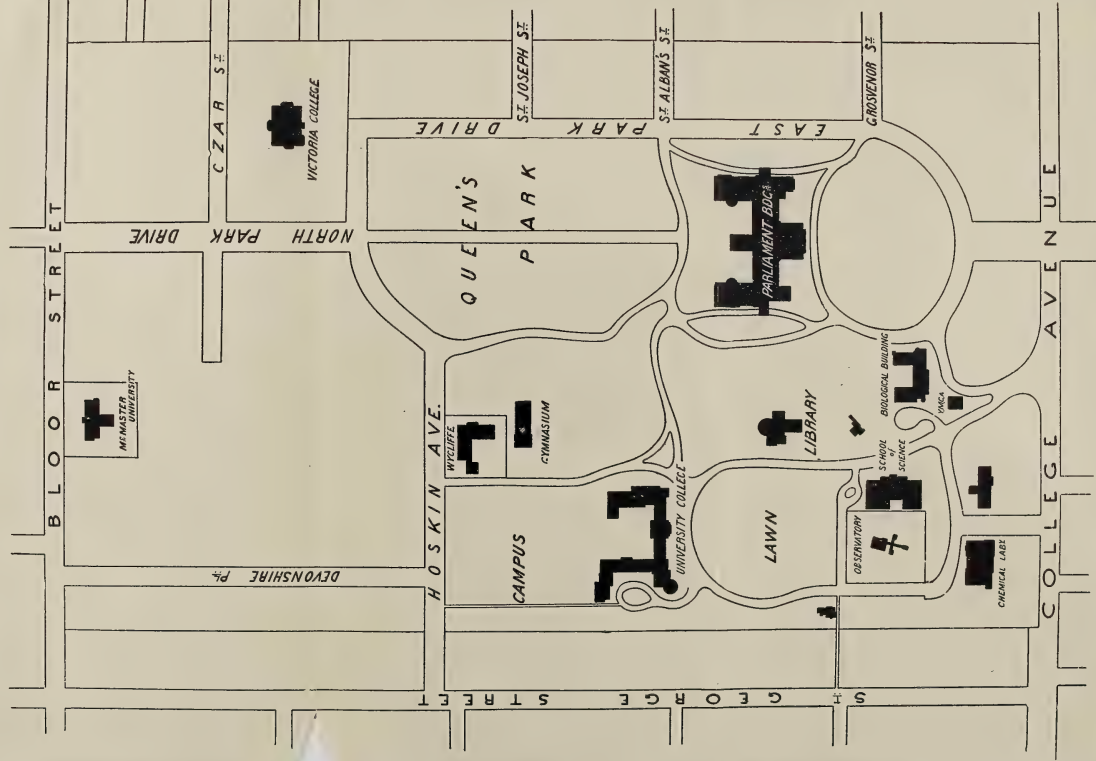


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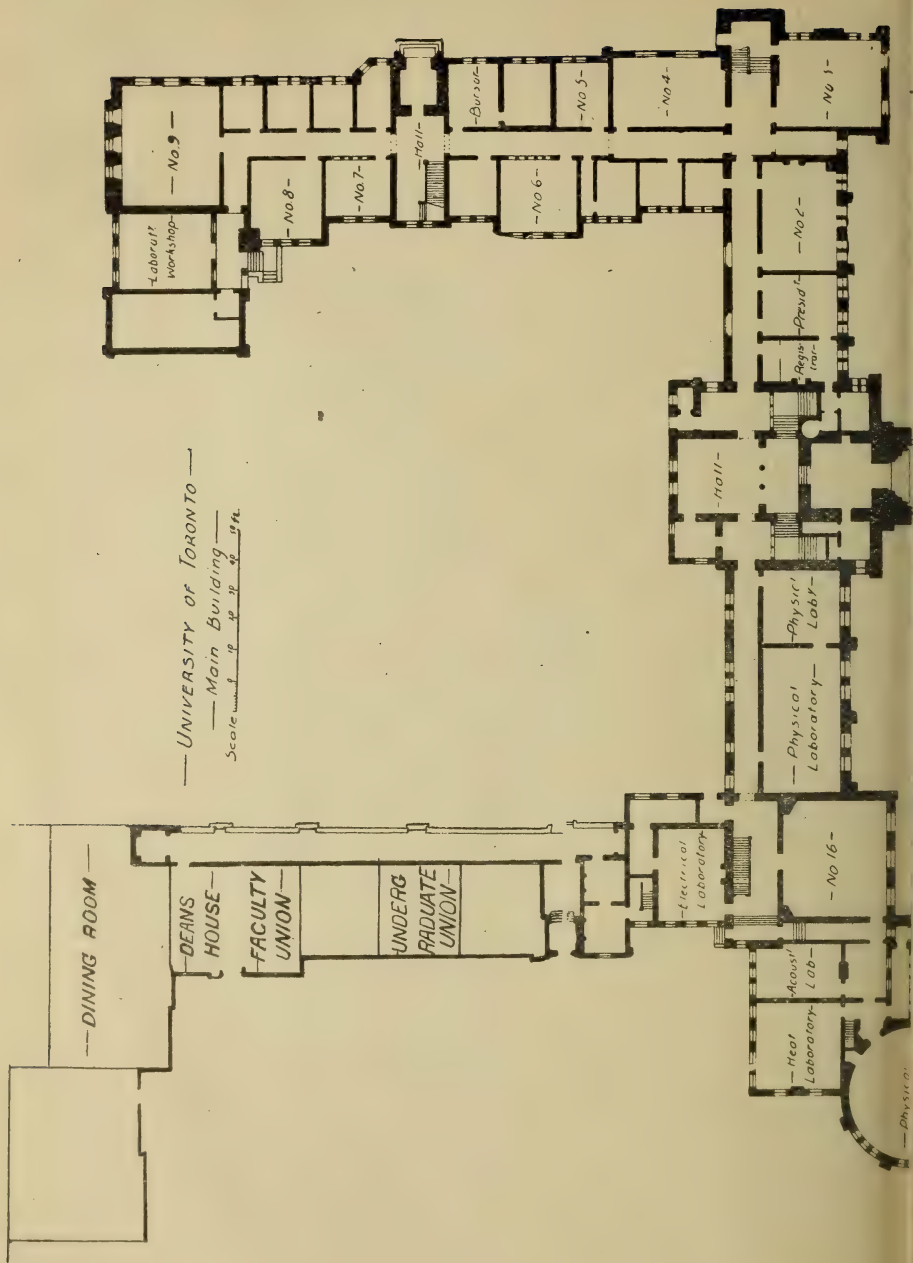


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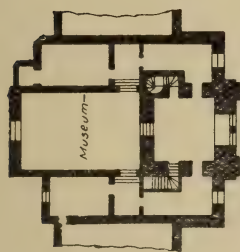
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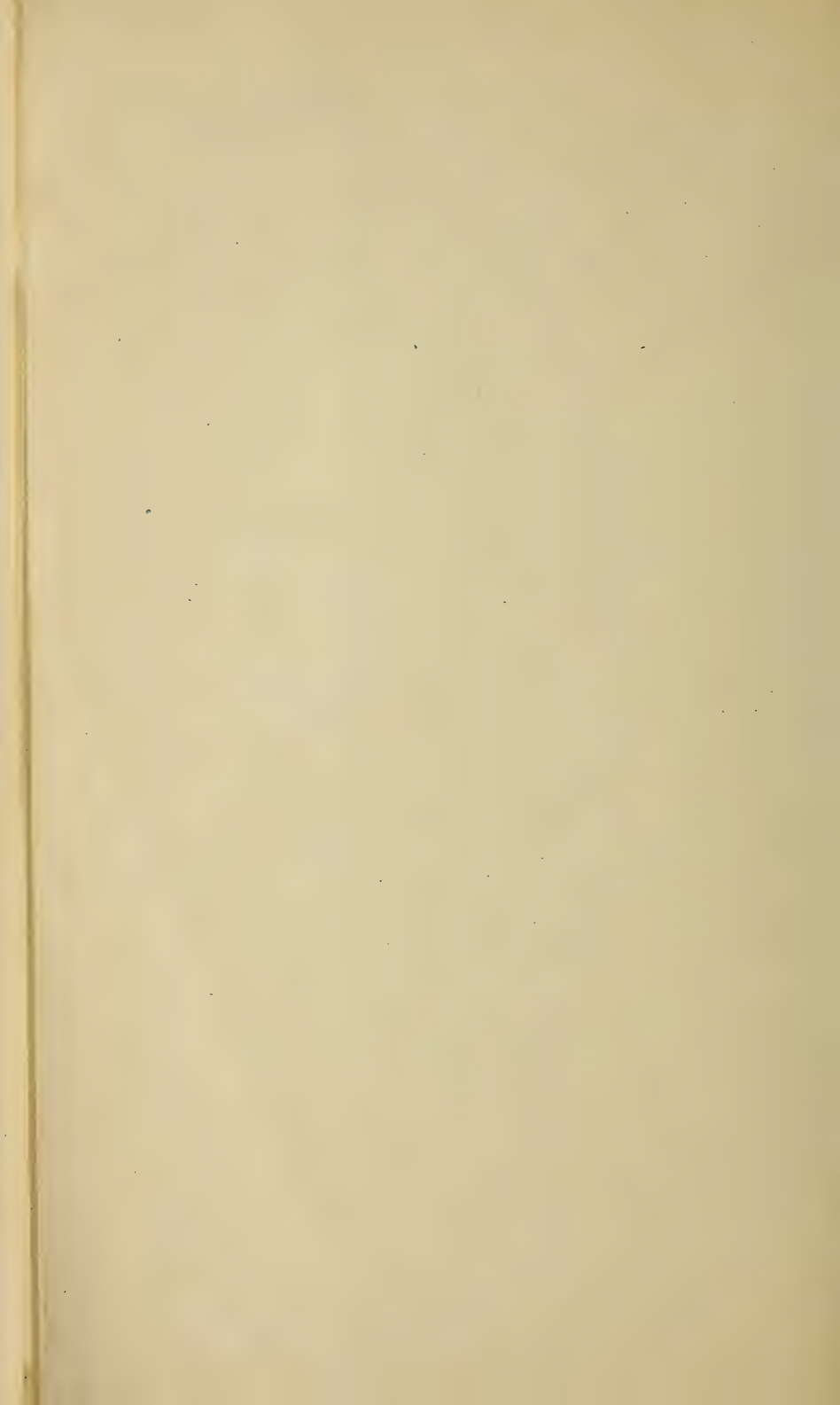
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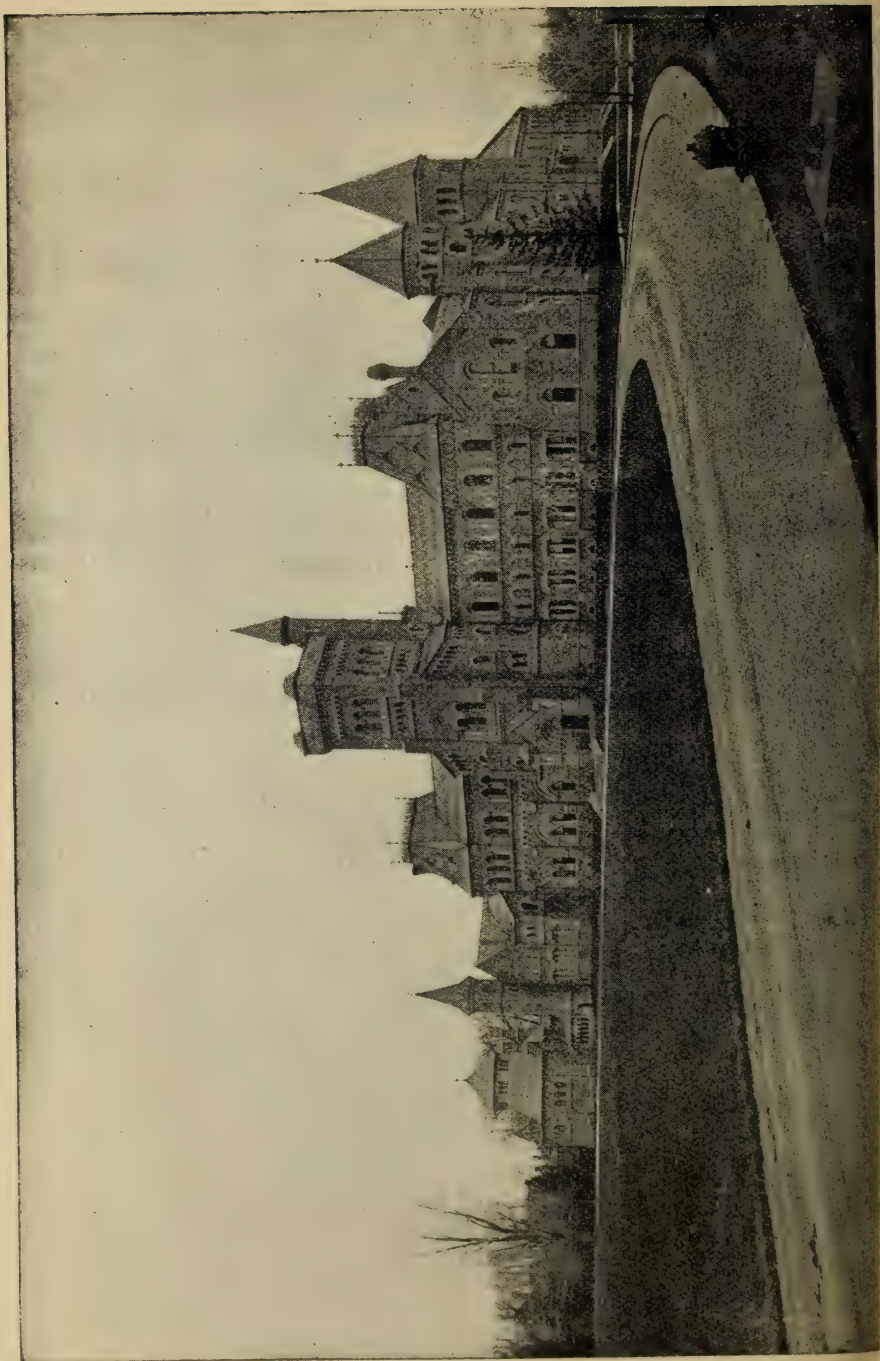
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# TABLE OF CONTENTS.

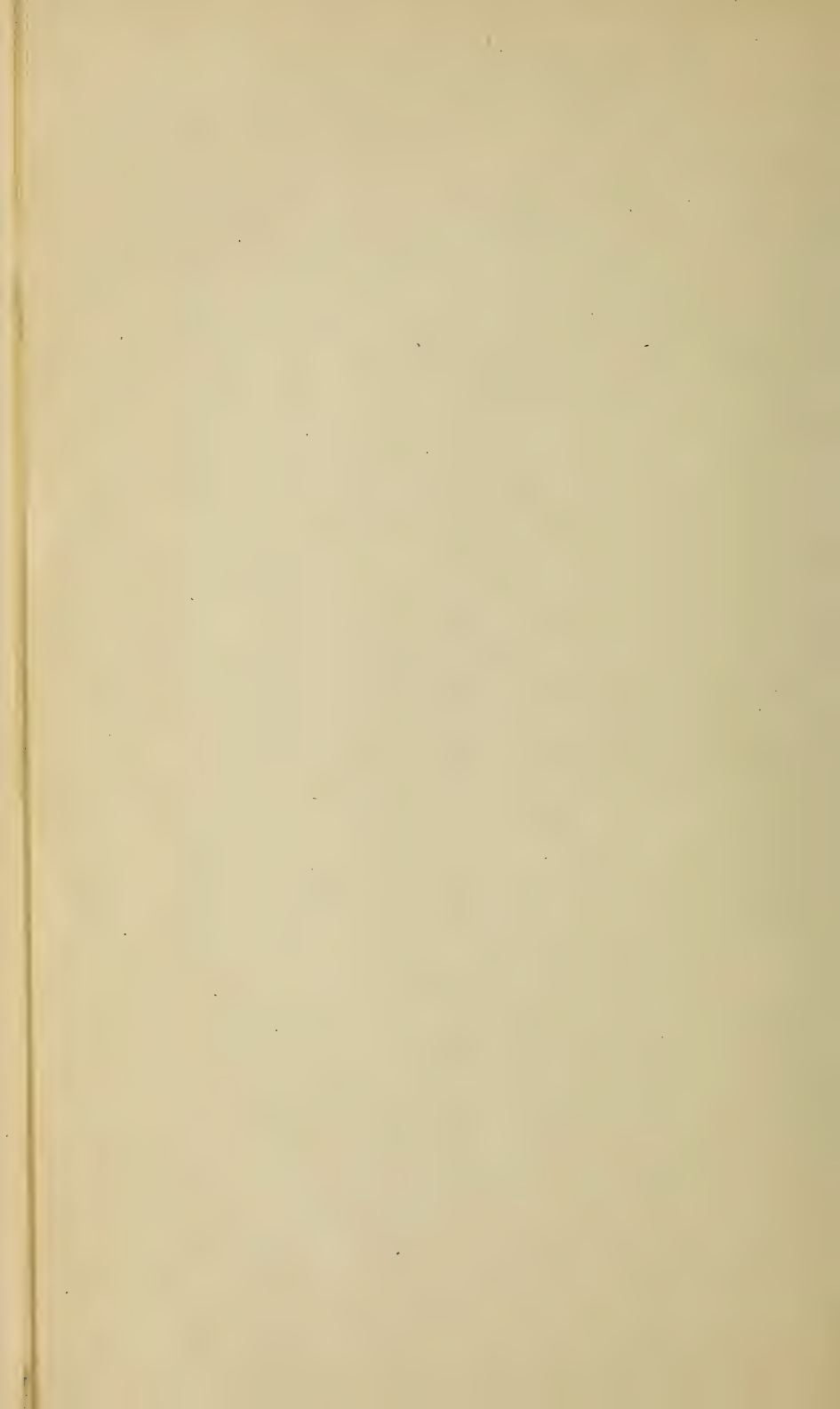
PAGE

|   |     |
|---|-----|
| Calendar. . . . .   | 9   |
| Time Table of Lectures in Arts . . . . .                            | 10  |
| Officers of Instruction . . . . .                                   | 18  |
| Examiners. . . . .  | 26  |
| Board of Trustees . . . . .   | 31  |
| Senate. . . . .   | 31  |
| University Council. . . . .   | 35  |
| Constitution and Administration of the University . . . . .         | 36  |
| General Information for Students . . . . .                          | 40  |
| Information for Students in Arts . . . . .                          | 49  |
| Information for Students in Medicine . . . . .                      | 53  |
| Information for Students in Applied Science . . . . .               | 59  |
| Regulations Relating to Students . . . . .                          | 61  |
| University Fees. . . . .  | 62  |
| College Fees. . . . .   | 67  |
| University Scholarships, Prizes and Medals . . . . .                | 69  |
| University Fellowships. . . . .                                     | 79  |
| University of Toronto, Regulations and Curriculum in Arts . . . . . | 80  |
| Degree of Bachelor of Arts . . . . .                                | 80  |
| Regulations Relating to all Undergraduates . . . . .                | 84  |
| Regulations Relating to the General Course . . . . .                | 85  |
| Regulations Relating to the Honour Course . . . . .                 | 88  |
| Degree of Master of Arts . . . . .                                  | 89  |
| Degree of Doctor of Philosophy . . . . .                            | 91  |
| Admission "Ad Eundem Gradum." . . . .                               | 91  |
| Curriculum in Arts. . . . .   | 92  |
| Junior Matriculation. . . . .                                       | 92  |
| Undergraduate General Course . . . . .                              | 103 |
| Undergraduate Honour Course . . . . .                               | 113 |
| Department of Classics . . . . .                                    | 113 |
| Department of Modern Languages . . . . .                            | 116 |
| Department of English and History. . . . .                          | 128 |
| Department of Oriental Languages . . . . .                          | 136 |
| Department of History . . . . .                                     | 138 |
| Department of Political Science . . . . .                           | 140 |
| Department of Philosophy . . . . .                                  | 142 |
| Department of Mathematics and Physics . . . . .                     | 143 |
| Department of Biological and Physical Science . . . . .             | 144 |
| Department of Natural Science . . . . .                             | 145 |
| Department of Chemistry and Mineralogy . . . . .                    | 147 |
| Department of Physics and Chemistry . . . . .                       | 147 |
| Department of Biology . . . . .                                     | 148 |
| Department of Chemistry . . . . .                                   | 149 |
| Department of Geology and Mineralogy . . . . .                      | 151 |
| Department of Physics . . . . .                                     | 153 |

|   | PAGE |
|---|------|
| Curriculum for Ph.D. ....   | 155  |
| Courses of Instruction in Arts .....  | 158  |
| University College .....  | 192  |
| Victoria University. ....   | 200  |
| Curriculum in Law. ....   | 218  |
| Faculty of Medicine. ....   | 225  |
| Courses of Lectures and Methods of Instruction. ....  | 230  |
| Hospitals. ....   | 247  |
| Text-books. ....  | 254  |
| Fees. ....  | 256  |
| Scholarships. ....  | 258  |
| Medals. ....  | 259  |
| Time Tables of Lectures. ....   | 260  |
| The University of Toronto Medical Society.....  | 262  |
| Medical Students' Y.M.C.A. ....   | 262  |
| Regulations Relating to Examinations and Degrees. ....  | 263  |
| George Brown Memorial Scholarship. ....   | 270  |
| The Reeve Scholarship. ....   | 271  |
| Starr Medals. ....  | 272  |
| List of Medallists. ....  | 273  |
| List of Graduates in Medicine in 1902. ....   | 274  |
| Faculty of Applied Science. ....  | 276  |
| Degree of Bachelor of Applied Science.....  | 281  |
| Degrees in Engineering. ....  | 282  |
| Curricula, etc., for D.D.S., Phm.B., B.S.A., Mus. Bac., B. Pæd.,<br>D. Pæd., Commerce, Gymnastics and Drill, and Household<br>Science. .... | 285  |
| Dentistry. ....   | 218  |
| Pharmacy. ....  | 289  |
| Agriculture. ....   | 291  |
| Music. ....   | 299  |
| Licentiate in Music. ....   | 333  |
| Household Science. ....   | 349  |
| Local Examinations in Music. ....   | 307  |
| Pedagogy. ....  | 345  |
| Commercial Course. ....   | 352  |
| Gymnastics and Physical Drill. ....   | 355  |
| St. Michael's College. ....   | 358  |
| Wycliffe College. ....  | 359  |
| Knox College. ....  | 361  |
| Victoria University. ....   | 363  |
| Trinity Medical College. ....   | 364  |
| Women's Medical College. ....   | 366  |
| Royal College of Dental Surgeons. ....  | 368  |
| Ontario College of Pharmacy. ....   | 370  |
| Ontario Agricultural College. ....  | 371  |
| Toronto College of Music. ....  | 373  |

|   |     |
|---|-----|
| Toronto Conservatory of Music. . . . .                | 375 |
| Ontario Veterinary College. . . . .                   | 377 |
| Register of Students in Arts, App. . . . .            | 2   |
| Register of Students in Medicine, App. . . . .        | 12  |
| Register of Students in Applied Science, App. . . . . | 18  |
| Summary of Student, App. . . . .                      | 21  |
| Historical Sketch, App. . . . .                       | 22  |
| Benefactions and Donations, App. . . . .              | 26  |
| University Studies, App. . . . .                      | 34  |
| Local Lectures, App. . . . .                          | 36  |
| Saturday Political Lectures, App. . . . .             | 39  |
| University Extension, App. . . . .                    | 40  |
| Societies, App. . . . .                               | 41  |
| Index. . . . .  | 55  |







**Registrar of the University :**

JAMES BREBNER, B.A.

**Secretary of the Faculty of Medicine :**

A. PRIMROSE, M.B., C.M.

**Registrar of the School of Practical Science :**

A. T. LAING, B.A.Sc.

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NOTE.—All communications relating to examinations, curricula, University standing and instruction, are to be addressed to the Registrar.

# CALENDAR, 1903.

| JANUARY. |    |    |    |    |    |    | FEBRUARY. |    |    |    |    |    |    | MARCH.     |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|------------|----|----|----|----|----|----|
| S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  | S          | M  | T  | W  | T  | F  | S  |
| ..       | .. | .. | .. | 1  | 2  | 3  | 1         | 2  | 3  | 4  | 5  | 6  | 7  | 1          | 2  | 3  | 4  | 5  | 6  | 7  |
| 4        | 5  | 6  | 7  | 8  | 9  | 10 | 8         | 9  | 10 | 11 | 12 | 13 | 14 | 8          | 9  | 10 | 11 | 12 | 13 | 14 |
| 11       | 12 | 13 | 14 | 15 | 16 | 17 | 15        | 16 | 17 | 18 | 19 | 20 | 21 | 15         | 16 | 17 | 18 | 19 | 20 | 21 |
| 18       | 19 | 20 | 21 | 22 | 23 | 24 | 22        | 23 | 24 | 25 | 26 | 27 | 28 | 22         | 23 | 24 | 25 | 26 | 27 | 28 |
| 25       | 26 | 27 | 28 | 29 | 30 | 31 | ..        | .. | .. | .. | .. | .. | .. | 29         | 30 | 31 | .. | .. | .. | .. |
| ..       | .. | .. | .. | .. | .. | .. | ..        | .. | .. | .. | .. | .. | .. | ..         | .. | .. | .. | .. | .. | .. |
| APRIL.   |    |    |    |    |    |    | MAY.      |    |    |    |    |    |    | JUNE.      |    |    |    |    |    |    |
| S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  | S          | M  | T  | W  | T  | F  | S  |
| ..       | .. | .. | 1  | 2  | 3  | 4  | ..        | .. | .. | .. | .. | 1  | 2  | ..         | 1  | 2  | 3  | 4  | 5  | 6  |
| 5        | 6  | 7  | 8  | 9  | 10 | 11 | 3         | 4  | 5  | 6  | 7  | 8  | 9  | 7          | 8  | 9  | 10 | 11 | 12 | 13 |
| 12       | 13 | 14 | 15 | 16 | 17 | 18 | 10        | 11 | 12 | 13 | 14 | 15 | 16 | 14         | 15 | 16 | 17 | 18 | 19 | 20 |
| 19       | 20 | 21 | 22 | 23 | 24 | 25 | 17        | 18 | 19 | 20 | 21 | 22 | 23 | 21         | 22 | 23 | 24 | 25 | 26 | 27 |
| 26       | 27 | 28 | 29 | 30 | .. | .. | 24        | 25 | 26 | 27 | 28 | 29 | 30 | 28         | 29 | 30 | .. | .. | .. | .. |
| ..       | .. | .. | .. | .. | .. | .. | 31        | .. | .. | .. | .. | .. | .. | ..         | .. | .. | .. | .. | .. | .. |
| JULY.    |    |    |    |    |    |    | AUGUST.   |    |    |    |    |    |    | SEPTEMBER. |    |    |    |    |    |    |
| S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  | S          | M  | T  | W  | T  | F  | S  |
| ..       | .. | .. | 1  | 2  | 3  | 4  | ..        | .. | .. | .. | .. | 1  | 8  | ..         | .. | 1  | 2  | 3  | 4  | 5  |
| 5        | 6  | 7  | 8  | 9  | 10 | 11 | 2         | 3  | 4  | 5  | 6  | 7  | 8  | 6          | 7  | 8  | 9  | 10 | 11 | 12 |
| 12       | 13 | 14 | 15 | 16 | 17 | 18 | 9         | 10 | 11 | 12 | 13 | 14 | 15 | 13         | 14 | 15 | 16 | 17 | 18 | 19 |
| 19       | 20 | 21 | 22 | 23 | 24 | 25 | 16        | 17 | 18 | 19 | 20 | 21 | 22 | 20         | 21 | 22 | 23 | 24 | 25 | 26 |
| 26       | 27 | 28 | 29 | 30 | 31 | .. | 23        | 24 | 25 | 26 | 27 | 28 | 29 | 27         | 28 | 29 | 30 | .. | .. | .. |
| ..       | .. | .. | .. | .. | .. | .. | 30        | 31 | .. | .. | .. | .. | .. | ..         | .. | .. | .. | .. | .. | .. |
| OCTOBER. |    |    |    |    |    |    | NOVEMBER. |    |    |    |    |    |    | DECEMBER.  |    |    |    |    |    |    |
| S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  | S          | M  | T  | W  | T  | F  | S  |
| ..       | .. | .. | .. | 1  | 2  | 3  | 1         | 2  | 3  | 4  | 5  | 6  | 7  | ..         | .. | 1  | 2  | 3  | 4  | 5  |
| 4        | 5  | 6  | 7  | 8  | 9  | 10 | 8         | 9  | 10 | 11 | 12 | 13 | 14 | 6          | 7  | 8  | 9  | 10 | 11 | 12 |
| 11       | 12 | 13 | 14 | 15 | 16 | 17 | 15        | 16 | 17 | 18 | 19 | 20 | 21 | 13         | 14 | 15 | 16 | 17 | 18 | 19 |
| 18       | 19 | 20 | 21 | 22 | 23 | 24 | 22        | 23 | 24 | 25 | 26 | 27 | 28 | 20         | 21 | 22 | 23 | 24 | 25 | 26 |
| 25       | 26 | 27 | 28 | 29 | 30 | 31 | 29        | 30 | .. | .. | .. | .. | .. | 27         | 28 | 29 | 30 | 31 | .. | .. |
| ..       | .. | .. | .. | .. | .. | .. | ..        | .. | .. | .. | .. | .. | .. | ..         | .. | .. | .. | .. | .. | .. |

# CALENDAR, 1904.

| JANUARY. |    |    |    |    |    |    | FEBRUARY. |    |    |    |    |    |    | MARCH. |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|--------|----|----|----|----|----|----|
| S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  | S      | M  | T  | W  | T  | F  | S  |
| ..       | .. | .. | .. | .. | 1  | 2  | ..        | 1  | 2  | 3  | 4  | 5  | 6  | ..     | .. | 1  | 2  | 3  | 4  | 5  |
| 3        | 4  | 5  | 6  | 7  | 8  | 9  | 7         | 8  | 9  | 10 | 11 | 12 | 13 | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 10       | 11 | 12 | 13 | 14 | 15 | 16 | 14        | 15 | 16 | 17 | 18 | 19 | 20 | 13     | 14 | 15 | 16 | 17 | 18 | 19 |
| 17       | 18 | 19 | 20 | 21 | 22 | 23 | 21        | 22 | 23 | 24 | 25 | 26 | 27 | 20     | 21 | 22 | 23 | 24 | 25 | 26 |
| 24       | 25 | 26 | 27 | 28 | 29 | 30 | 28        | 29 | .. | .. | .. | .. | .. | 27     | 28 | 29 | 30 | 31 | .. | .. |
| 31       | .. | .. | .. | .. | .. | .. | ..        | .. | .. | .. | .. | .. | .. | ..     | .. | .. | .. | .. | .. | .. |
| APRIL.   |    |    |    |    |    |    | MAY.      |    |    |    |    |    |    | JUNE.  |    |    |    |    |    |    |
| S        | M  | T  | W  | T  | F  | S  | S         | M  | T  | W  | T  | F  | S  | S      | M  | T  | W  | T  | F  | S  |
| ..       | .. | .. | .. | .. | 1  | 2  | 1         | 2  | 3  | 4  | 5  | 6  | 7  | ..     | .. | .. | 1  | 2  | 3  | 4  |
| 3        | 4  | 5  | 6  | 7  | 8  | 9  | 8         | 9  | 10 | 11 | 12 | 13 | 14 | 5      | 6  | 7  | 8  | 9  | 10 | 11 |
| 10       | 11 | 12 | 13 | 14 | 15 | 16 | 15        | 16 | 17 | 18 | 19 | 20 | 21 | 12     | 13 | 14 | 15 | 16 | 17 | 18 |
| 17       | 18 | 19 | 20 | 21 | 22 | 23 | 22        | 23 | 24 | 25 | 26 | 27 | 28 | 19     | 20 | 21 | 22 | 23 | 24 | 25 |
| 24       | 25 | 26 | 27 | 28 | 29 | 30 | 29        | 30 | 31 | .. | .. | .. | .. | 26     | 27 | 28 | 29 | 30 | .. | .. |

## CALENDAR, 1903-1904.

Meetings of the University Council are held on the last Monday of September, and on the first Monday of other months. Meetings of the Senate are held on the second Friday of October, November, December, January, February and March, on the Friday following Easter Sunday, and on the Wednesday preceding Commencement in June.

1903—Sept. 14—Supplemental Examinations in all Faculties begin.

Sept. 30—Registration of Students in Arts by the Registrar;  
and in Medicine by the Secretary of the Medical  
Faculty; enrolment in classes by the various Pro-  
fessors.

Oct. 1—Academic year begins.

Supplemental Examinations in Dentistry begin.

Oct. 1—Lectures in Arts and Medicine begin.

Dec. 18-22—Term Examinations.

Dec. 22—Michaelmas Term ends.

Déc. 25—University Buildings closed.

1904—Jan. 1—University Buildings closed.

Jan. 5—Easter Term begins.

Lectures in Arts and Medicine begin.

Feb. 17—University Buildings closed.

March 31—Last day for presentation of LL.B. theses.

April 1—University Buildings closed.

Last day under the new regulations for presentation  
of M.A. theses.

April 15—Examinations in School of Practical Science begin.

April 18—Annual Examinations in Dentistry begin.

April 18-22—Term Examinations.

April 20—Last day for presentation of B.A.Sc. theses.

April 21—Annual Examinations in Applied Science begin.

April 22—Lectures in Arts end.

May 2—Annual Examinations in Arts, Law, Medicine and  
Agriculture begin.

Last day under the old regulations for presentation  
of M.A. theses.

May 9—Annual Examinations in Music begin.

May 23—Medical session ends.

May 24—University Buildings closed.

May 24—Last day for giving notice of candidature for Matricu-  
lation Scholarships.

June 1—Applications for Fellowships.

June 7—Junior and Senior Matriculation at centres outside  
the Province of Ontario.

June 7—Senior Matriculation Examination in Arts begin.

June 10—University Commencement.

July 1—University Buildings closed.

N.B.—Candidates are required to give notice to the Registrar of inten-  
tion to present themselves at the annual examinations in Arts and Medi-  
cine on or before March 21st. At the examination for Matriculation  
Scholarships similar notice must be given on or before the 21st May,  
and at any other University examination at least three weeks before the  
commencement of the examination.



# Time Table of Lectures in Arts — University of Toronto and University College.

NOTE. In the following table \* indicates "Honour Subject"; † indicates "Hon. Chem. and Min."; ‡ indicates "Pass and Honour"; α indicates "Michaelmas Term"; and β "Easter Term." Numerals (1), (2), etc., denote the class-rooms of the main building. Subjects for which no class-rooms are indicated are provided for in the various buildings appropriate to them. Laboratory hours not provided for in the following scheme will be arranged at the beginning of Term. School of Science students attend Math. Div. E. of the First Year.

## First Year.

|         | MONDAY.   | TUESDAY.   | WEDNESDAY.   | THURSDAY.   | FRIDAY.  | SATURDAY.  |
|---------|---|--|--|---|--|--|
| 9 a.m.  | Biology.<br>*Elem. Anal. Geom. (9).<br>*Trigonometry (6).   | <i>English</i> (W. Hall).<br>Math. E., Euclid (9).   | * <i>German Prose</i> , C. D. (13).<br><i>Greek</i> , b (6).<br><i>Latin</i> , α (6).<br>*Biology.<br>Math. E., Trig. (9). | <i>Latin</i> , Horace (4).<br>* <i>Latin</i> (2).<br>Math. E., Alg. (9).  | Biology.<br>Math. E., Trig. (9).   | * <i>Latin</i> (6).                              |
| 10 a.m. | Math. { B. Alg. (4).<br>D. Trigon. (3).   | * <i>German Prose</i> , A., B. (13).<br>Physics (16).  | Math. { A., B. (3).<br>Euc. { C., D. (4).  | * <i>Greek</i> (10).<br>Physics (16).   | Math. D., Alg. (4).<br>B., Trig. (3).  | * <i>Latin</i> (6).<br>* <i>Latin</i> (7).       |
| 11 a.m. | * <i>Greek</i> (7).<br><i>Latin Prose</i> (3).  | Math. { A., Alg. (4).<br>C., Trig. (3).<br>*Spanish (15).<br>*Elementary Chemistry.<br>*Greek Prose (8). | <i>Greek Prose</i> (8).<br>* <i>German Prose</i> , E. F. 13.<br>*Elementary Chemistry.                                     | * <i>Latin</i> (2).<br>*Italian, A. (8).<br>*Span. (15). †Trig. (3).<br>Math. C., Alg. (4) A.<br>*Elementary Chemistry. | <i>English</i> (W. Hall).  | * <i>Latin</i> (6).<br>* <i>Latin Prose</i> (7). |
| 12 m.   | <i>Ancient History</i> (9).<br>*Elem. Phys., Med., α (16).<br>*Mathematics (6).<br>*Anal. Geometry. | <i>Greek</i> (2).<br><i>Italian</i> (12).<br>*Mathematics (6).   | <i>Latin</i> , Cicero (3).<br>*Elem. Phys., α (16).<br>Med.  | * <i>Latin</i> .<br>*Italian B. (12).<br>*Mathematics (6).  | <i>German</i> , D. (7).<br>*Classics (2).<br>*Elem. Phys., Med., α (16).<br>*Inor. Chem., C.M., P.C. |  |
| 2 p.m.  | <i>French</i> , A. (8), B. (2).<br>Practical Physics.   | * <i>French</i> (8).<br>*Practical Biology.<br>*Prac. Chem., C.M., P.C.                                  | <i>French</i> , A. (2), B. (8).<br>* <i>German</i> , B. (10).<br>Practical Chemistry.                                      | * <i>French</i> (2).<br>*Practical Biology.<br>*Chem. Anal., C.M., P.C.   | *Prac. Phys.<br>Practical Chemistry.   |  |
| 3 p.m.  | <i>German</i> , A. (3).<br>* <i>German</i> , A. (11).<br>Practical Physics.                         | <i>Hebrew</i> (4).<br>*Practical Biology.<br>*Prac. Chem., C.M., P.C.                                    | * <i>French</i> (12).<br><i>German</i> , A. (3), B. (4).<br>Practical Chemistry.   | * <i>German</i> , C. (11).<br><i>Hebrew</i> (4).<br>*Practical Biology.<br>*Prac. Chem., C.M., P.C.                     | <i>German</i> , B. (4).<br>*Prac. Phys.<br>Practical Chemistry.                                      |  |

# First Year.

|         | MONDAY.                 | TUESDAY.             | WEDNESDAY.               | THURSDAY.           | FRIDAY.            | SATURDAY. |
|---------|-------------------------|----------------------|--------------------------|---------------------|--------------------|-----------|
| 9 a.m.  |                         | English              | Latin.                   | *Latin.<br>Latin.   |                    |           |
| 10 a.m. |                         | *Greek.              |                          | *Greek ( <i>a</i> ) |                    |           |
| 11 a.m. | Latin Prose.            | History.<br>*French. | Greek.<br>*German.       | History.            | English.           |           |
| 12 m.   | *French.<br>Hebrew.     | German.<br>French.   | *Latin Prose.<br>Hebrew. | *Latin.<br>French.  | Hebrew.            |           |
| 2 p.m.  | *Greek.<br>Greek Prose. |                      | *French.                 |                     | Greek ( <i>b</i> ) |           |
| 3 p.m.  | *English.               | *Greek Prose.        |                          |                     |                    |           |
| 4 p.m.  |                         | *German.             | German.                  | *German.            | French.            |           |

# University and University College.

## Second Year.

|         | MONDAY.   | TUESDAY.   | WEDNESDAY.   | THURSDAY.   | FRIDAY.  | SATURDAY.  |
|---------|---|--|--|---|--|--|
| 9 a.m.  | <i>French</i> (8).<br><i>Ger. Prose</i> , A.B. (15).<br>*Chem., C.M., P.C.  | * <i>English</i> (3).<br>*Phys.-Chem., C.M., P.C.<br>*Greek (2), <i>a</i> .  | <i>French</i> (2).<br>*Elementary Cal. (3).<br>*Psychology (W. Hall)<br>*Latin (Vict.), <i>b</i> . | <i>English</i> (3).<br>*Phys.-Chem., C.M., P.C.   | * <i>French</i> (11).<br><i>German</i> (10).<br>†Elementary Cal. (3).                              | * <i>Latin</i> (7).<br>*Logic (10).                            |
| 10 a.m. | *Italian (10).<br>*Phys., Elec. (16), <i>a</i> .<br>*Greek (2).<br>*Eng. Const. Hist. (6).                                | * <i>Latin</i> (8).<br>*Biology.<br>*Italian (10).<br>* <i>Oriental</i> s (14).<br>Economics (Commer. Course) ( <i>Sem.</i> ). | * <i>French</i> (14).<br>Greek Prose (2).<br>Latin (8).<br>Elec. & Magnetism (16)                  | <i>Latin</i> (3).<br>* <i>Latin Prose</i> (8).<br>*Biology.<br>Economics (Commer. Course) ( <i>Sem.</i> ).                                  | *Elem. Anal. Geom. and Calc. (12).<br>*Phys. Elec. (16), <i>a</i> .<br>Greek (2).                  | * <i>Latin</i> (8), <i>a</i> .<br>*Roman Hist. (8), <i>b</i> . |
| 11 a.m. | †Mediaeval History (9).<br>*Eng. Const. Hist. (6).<br>*Elem. Phys.-Chemistry, C.M., P.C., M.P., N.S.<br>*Philosophy (11). | *Philosophy (11).<br>*Spanish (13).<br>Geology.<br>Economics (9).<br>Elementary Chemistry.                                     | *Spanish (11).<br>Elementary Chemistry.<br>†Logic (9).   | * <i>Latin</i> (2).<br>Geology.<br>*Philosophy (11).<br>*Spanish (13).<br>Elementary Chemistry.<br>* <i>French</i> (14).<br>*Economics (9). | †Mediaeval History (9).<br>*Eng. Const. History.<br>*Elem. Phys. Chemistry, C.M., P.C., M.P., N.S. | * <i>Latin</i> .   |
| 12 m.   | <i>Latin</i> (3).<br>* <i>Latin</i> (Vict.).<br>*Mathematics (11).<br>*Physiology, <i>b</i> .                             | *Mathematics (11).<br>Psychology (16).<br>*Elementary Organic Chemistry, C.M.  | <i>Greek</i> (8).<br>*Italian (10).<br>*Mathematics (11).<br>*Physiology, <i>b</i> .               | *Mathematics (11).<br>Psychology (16).<br>*Elementary Organic Chemistry, C.M.   | <i>Latin Prose</i> (3).<br>*Classics (2).<br>*Mathematics (11).<br>*Physiology, <i>b</i> .         |  |
| 2 p.m.  | <i>Ger. Prose</i> , C.D. (13).<br>* <i>Oriental</i> s (11).<br>*Practical Biology.<br>*Prac.Chem., C.M., P.C.             | * <i>French</i> (14).<br>*Practical Mineralogy.<br>*Practical Chem., M.P.<br>*Eng. Const. Hist. (6).                           | * <i>Oriental</i> s (13).<br>*Practical Biology.<br>*Eng. Const. Hist. (6).                        | * <i>French</i> (11).<br>*Chem.Anal., N.S., M.P.<br>Hebrew (7).   | *Practical Biology.<br>*Practical Phys.<br>*Greek (7), <i>b</i> .                                  |  |
| 3 p.m.  | <i>Hebrew</i> (7).<br>*Practical Biology.<br>*Prac.Chem., C.M., P.C.  | * <i>German</i> (10).<br>*Practical Mineralogy.<br>*Practical Chem., M.P.  | * <i>Oriental</i> s (13).<br>*Practical Biology.   | * <i>German</i> (10).   | * <i>German</i> (12).<br>*Practical Biology.<br>*Practical Phys.                                   |  |
| 4 p.m.  | *Prac.Chem., C.M., P.C.   | *Practical Mineralogy.<br>*Practical Chem., M.P.   | <i>German</i> (10).  |   | * <i>German</i> (13).<br>*Practical Biology.<br>*Practical Phys.                                   |  |

N.B. \*Practical Chemistry. C.M., P.C., from 10-5 Wednesday and Thursday. \*Practical Chemistry, N.S., from 10-5 Thursday.

|           | MONDAY.                                       | TUESDAY.               | WEDNESDAY.   | THURSDAY.                                  | FRIDAY.                              | SATURDAY. |
|-----------|---|------------------------|--|--|--------------------------------------|-----------|
| 9 a.m.    | Hebrew.                                       | * French.              | * Latin ( <i>b</i> ).<br>German.                       | English.                                   | Greek Prose.<br>* French.<br>Hebrew. |           |
| * 10 a.m. | * Greek Prose.<br>* Germ. Comp.<br>* Aramaic. | French.                | * Latin.<br>* German Texts.<br>* French.<br>* Aramaic. | * Roman History.<br>* French.              | * English.                           |           |
| 11 a.m.   |   | * Greek.               |  | * Latin Prose.<br>* German.                |                                      |           |
| 12 m.     | * Horace.<br>German.                          |                        |  |  |                                      |           |
| 2 p.m.    |   | * French.<br>* Hebrew. |  |  | * Hebrew.                            |           |
| 3 p.m.    | Latin.  |                        | Greek.   | Greek ( <i>a</i> ).<br>Latin ( <i>b</i> ). |                                      |           |
| 4 p.m.    | † Semitic History.                            | Latin.                 | † Hebrew Grammar.                                      | * Greek.                                   |                                      |           |



# University and University College.

## Third Year.

|         | MONDAY.  | TUESDAY.   | WEDNESDAY.   | THURSDAY.   | FRIDAY.   | SATURDAY.          |
|---------|--|--|--|---|---|--------------------|
| 9 a.m.  | <p>* <i>Ethics</i> (4).<br/> * <i>French</i> (14).<br/> * <i>Latin Prose</i> (7).<br/> * Roman Law (11).</p>                                 | <p>Analytical Statics (12), <i>a</i><br/> * Hydrostatics (12), <i>b</i><br/> * German (13).<br/> † Modern History (4).<br/> * Crystallography, <i>a</i>.<br/> * Economic Geology, <i>b</i>.<br/> * Const. History (6).<br/> Greek, <i>b</i> (2).</p> | <p>† <i>Ethics</i> (8).<br/> * <i>French</i> (14).<br/> * <i>Classics</i> (Vict.).<br/> * Roman Law (11).</p>  | <p>* Analytical Statics (12), <i>a</i><br/> * Hydrostatics (12), <i>b</i>.<br/> * <i>French</i> (10).<br/> * <i>French</i> (14).<br/> * <i>Greek</i> (7).<br/> * Logic (8).</p> | <p>* <i>Ethics</i> (Sem.).<br/> * <i>Latin</i> (Vict.).<br/> * <i>Greek</i> (7), <i>b</i>.<br/> * Crystallography, <i>a</i>.<br/> * Economic Geology, <i>b</i>.<br/> Const. History (6).<br/> † Modern History (4).</p> | * Psychology (17). |
| 10 a.m. | <p>* <i>French</i> (12).<br/> * <i>Latin</i> (7).<br/> * Hist. of Philosophy (8).<br/> Light (16), <i>b</i>.</p>                             | <p>* <i>French</i> (11).<br/> * <i>Greek</i> (2).<br/> * <i>Latin</i> (3).<br/> * Org. Chem., C.M., P.C.<br/> * Economics (6).<br/> * Mathematics (13).</p>  | <p>* <i>French</i> (12).<br/> * <i>Greek Prose</i> (2).<br/> * <i>Classics, Philol.</i> (Vict.).<br/> * Org. Chem., C.M., P.C.</p>   | <p>* <i>French</i> (14).<br/> * <i>Latin</i> (7).<br/> * Economics (6).<br/> * Exper. Psychology (17).<br/> * Org. Chem., C.M., P.C.</p>  | <p>* <i>Greek</i> (13), <i>a</i>.<br/> * <i>French</i> (14).<br/> * <i>Latin</i>, <i>b</i> (13).<br/> Light, <i>b</i> (16).<br/> Aramaic.<br/> * Economics (6).<br/> * Practical Palaeontology</p>                      | * Mod. Hist. (4).  |
| 11 a.m. | <p>* Physics (2).<br/> * <i>French</i> (11).<br/> * <i>German</i> (10).<br/> * Hist. of Philosophy (8).<br/> * Const. Law (6), <i>b</i>.</p> | <p>* <i>German</i> (10).<br/> * <i>Greek</i> (2).<br/> * Exper. Psych. (lect.).<br/> * Elem. Org. Chemistry, N.S., I.<br/> * Const. Law (6), <i>b</i>.</p>   | <p>Const. History (4).<br/> * <i>Ethics</i> (Sem.).<br/> * <i>German</i> (13).<br/> * <i>Latin</i> (3).<br/> Physics (2).<br/> * Biology.<br/> * Const. Law (6), <i>b</i>.</p> | <p>* Exper. Psychology (17).<br/> * <i>German</i> (10).<br/> * Const. Law (6), <i>b</i>.</p>  | <p>Physics (2).<br/> * <i>Greek</i> (5).<br/> * <i>German</i> (Sem.).<br/> * Biology.<br/> * Exper. Psychology (17).<br/> Ethics (4).<br/> * Practical Palaeontology<br/> * Const. Law (6), <i>b</i>.</p>               |                    |
| 12 m.   | <p><i>English</i> (4).<br/> * Bacteriology, <i>a</i>.<br/> * Phys.-Chem., C.M., P.C<br/> * Physics.</p>                                      | <p>* <i>German</i> (13).<br/> * <i>Latin</i> (8).<br/> * Exper. Psych. (lect.).<br/> Const. History (9).<br/> * Elem. Org. Chemistry, N.S., I.</p>   | <p><i>English</i> (4).<br/> * Physics (6).<br/> * Bacteriology, <i>a</i>.</p>  | <p>* <i>English</i> (3).<br/> * <i>Greek</i> (7).<br/> * Mineralogy.<br/> * Elem. Org. Chemistry, N.S., I.</p>  | <p>* <i>Greek Prose</i> (5).<br/> * <i>French</i> (14).<br/> * Psychology (17).<br/> * <i>Latin Prose</i> (3).<br/> * Physics (6).<br/> * Phys.-Chem., C.M., P.C<br/> * Practical Palaeontology</p>                     |                    |
| 2 p.m.  | <p>* <i>French</i> (14).<br/> * <i>Orientalis</i>.<br/> Const. History (6).</p>  | <p>* <i>German</i> (10).<br/> * Hebrew (13). * Ital. (15).<br/> * Const. History (6).</p>  | <p>Const. History (6).</p>   | <p>* <i>German</i> (10).<br/> * Italian (15).</p>   | <p>* <i>Orientalis</i>.</p>   |                    |
| 3 p.m.  | <p>* Anglo-Saxon (12).<br/> * Palaeontology, <i>b</i>.</p>   | <p>* <i>Orientalis</i>.<br/> * Spanish (15).</p>   | <p>* Stratigraphical Geol.<br/> * <i>Orientalis</i>.<br/> * Anglo-Saxon (10).</p>  | <p>* Pol. Sc. (Statistics) (9).<br/> * Spanish (15).<br/> * Practical Palaeontology</p>   | <p>* <i>English</i> (10).<br/> * Hebrew (13).</p>   |                    |
| 4 p.m.  | <p>* Mineralogy.</p>   | <p>* <i>Orientalis</i>.</p>  | <p>* <i>Orientalis</i>.</p>  | <p>* <i>Orientalis</i>.</p>   |   |                    |

| MONDAY.                      | TUESDAY.                                  | WEDNESDAY.                                    | THURSDAY.   | FRIDAY.                                       | SATURDAY. |
|------------------------------|---|---|---|---|-----------|
| 9 a.m. Ethics.<br>*Classics. | *Ethics.<br>*Arabic.                      | Ethics.<br>*French.<br>*Classics.<br>*German. | *French.<br>Greek.<br>*Arabic.                                | *Latin ( <i>b</i> ).                          |           |
| 10 a.m. Latin.               | *German.<br>*Greek.<br>French.<br>Hebrew. | *Classics.<br>Old English.<br>*Hebrew.        | *Ethics.<br>German.<br>*Roman History.<br>*German.<br>Hebrew. | Ethics.<br>*German.<br>*Latin ( <i>b</i> ).   |           |
| 11 a.m. *Greek.              | *French.<br>*Greek.                       | *Latin.<br>*French.<br>German Comp.           | *English.<br>*Greek Prose.                                    | Old English.<br>*Greek.<br>Latin.<br>*Hebrew. |           |
| 12 m. English.               | *Latin.<br>Latin Prose.                   | English.                                      | Latin.  | French.                                       |           |
| 2 p.m. *Latin Prose.         |   | *Greek.                                       |   |   |           |
| 3 p.m. *Hebrew Grammar.      | *Biblical Aramaic.                        |   |   |   |           |
| 4 p.m. †Semitic History.     |   |   |   |   |           |

# University and University College.\*

## Fourth Year.

|         | MONDAY.   | TUESDAY.   | WEDNESDAY.  | THURSDAY.   | FRIDAY.  | SATURDAY. |
|---------|---|--|---|---|--|-----------|
| 9 a.m.  | * <i>Latin Prose</i> (7).<br>† Modern History (4).<br>* Mathematics (13).<br>* Metaphysics (Psychol.) (17).                       | * <i>French</i> (14).<br>* <i>Latin</i> (7).<br>† Hist. of Philosophy (8).<br>* Emb'gy and Histol.<br>* Mathematics.<br>* Jurisprudence (11).                              | * <i>German</i> (11).<br>* Mathematics (15).<br>† Modern History (4).<br>* Metaphysics (10).<br>* Physics (5).  | * <i>Latin</i> .<br>* Hist. of Philosophy (3).<br>Astronomy (6).<br>* Exper. Psych., N.S. (17)<br>* Meteorology, a.<br>* Jurisprudence (11).<br>* Physics (5).                  | * <i>English</i> (2).<br>* Classics, Philol. (Vict.)<br>(or Aristotle) (7) a.<br>* Mathematics.<br>‡ Mod. Hist. (9)  |           |
| 10 a.m. | * <i>English</i> (11).<br>* <i>Latin</i> (15) a.<br>* Hist. of Philosophy (5).<br>* Physiology.                                   | * <i>Latin</i> (3).<br>* <i>French</i> (Semin.).<br>* <i>Greek</i> , a (7).<br>* <i>Latin</i> , b (7).<br>* Physiology.<br>* Geology (Crystallog.).<br>* Mathematics (15). | * <i>French</i> (10).<br>* <i>Greek Prose</i> (2).<br>* <i>Greek</i> (7) b, (6) a.<br>* Hist. of Philosophy (5).<br>* Meteorology, a.<br>* Anglo-Saxon (Semin.).<br>* Physiology. | * <i>Ethics</i> (10).<br>* Mathematics (12)<br>* <i>French</i> (12).<br>* <i>Classics, Philol.</i> (Vict.).<br>* Physiology.<br>* <i>Greek</i> (5).<br>Middle English (Semin.). | * <i>Roman History</i> (Vict.).<br>† Hist. of Philosophy (8).<br>* Emb'gy and Histol.<br>* Italian (10).<br>* Physics.<br>* Geology (Lithology).<br>* Organic Chem., C.M.  |           |
| 11 a.m. | * <i>English</i> (4).<br>* <i>Greek</i> (5).<br>* Exper. Psych., N.S. (17)<br>* Organic Chem., C. M.<br>* Federal Const. Law (6). | * <i>English</i> (12).<br>* <i>Latin</i> (7).<br>Economics (9).<br>* Physiological Dems.<br>* International Law (6), a   | * Spanish (15).<br>* <i>Latin</i> (3).<br>* <i>French</i> (14).<br>* <i>Greek</i> (5).<br>* Physiology.<br>* Federal Const. Law (6).  | * <i>Greek</i> (5).<br>* <i>English</i> (12).<br>Economics, (9).<br>* Metaphysics (Psychol.) (17).<br>* Physiology.<br>* Internat. Law (6), a.                                  | * <i>Oriental</i> s.<br>* <i>French</i> (Semin.).<br>* <i>Latin</i> (Vict.).<br>* <i>French</i> (11).<br>* Physiology.<br>* Metaphysics (10).<br>* History of Chemistry, C.M., P.C.<br>* Federal Const. Law (6). |           |
| 12 m.   | * <i>German</i> (15) and (13).<br>* <i>Greek</i> (5).<br>* Psychology.<br>* Geology (Crystallog.).                                | * <i>German</i> (10).<br>* <i>Greek</i> , b (5).<br>* <i>Oriental</i> s (7).   | * Psychology.<br>* <i>Greek</i> (7), b.   | * <i>German</i> (10).<br>* <i>Greek</i> (Semin.).   | * <i>Latin Prose</i> (8).<br>* <i>Greek Prose</i> (5).<br>* <i>German</i> (13) (15).   |           |
| 2 p.m.  | * Italian (15).<br>* <i>Oriental</i> s.   | * <i>Oriental</i> s.<br>* <i>German</i> (10).<br>* Geology.  | * <i>Oriental</i> s.<br>* Canadian Const. Hist. (6).  | * Geology.  |  |           |
| 3 p.m.  | * Economics (8).<br>* Spanish (15).   | * <i>French</i> (14).<br>* Economics (8).  | * <i>Oriental</i> s.<br>* Economics (8).  | * Economics (8).<br>* <i>Oriental</i> s.  | * <i>Greek</i> a (7).<br>* <i>German</i> (12).<br>* <i>Oriental</i> s.<br>* Econ. (8).   |           |
| 4 p.m.  |   | * <i>Oriental</i> s.<br>* Chemical Thermodyn.  |   | * Chemical Thermodyn., C.M., P.C.   | * <i>Oriental</i> s.   |           |

|         | MONDAY.                          | TUESDAY.                                      | WEDNESDAY.                                       | THURSDAY.   | FRIDAY.                               | SATURDAY. |
|---------|----------------------------------|---|--|---|---------------------------------------|-----------|
| 9 a.m.  | *Classics.                       | *French.<br>*Latin.                           | *Greek.  | *German Lit.<br>*Latin.                           | *Ethics.<br>*German.<br>*Classics.    |           |
| 10 a.m. | *French.<br>*Latin ( <i>a</i> ). | *Ethics.<br>*German.<br>*Classics.<br>Hebrew. | German Texts.<br>*French.<br>*Greek.<br>*Hebrew. | German Comp.<br>*German.<br>*Classics.<br>Hebrew. | *Roman History.<br>Greek.<br>*Hebrew. |           |
| 11 a.m. | French.<br>*Greek.               | *English.<br>*Latin.                          | *Greek.  | *English.<br>*Greek Prose.                        | *French.<br>*Latin.<br>Latin.         |           |
| 12 m.   | English.                         | Old English.                                  | English.<br>*Assyrian.                           | *German.  | Old English.<br>French.<br>*Assyrian. |           |
| 2 p.m.  | *Latin Prose.                    |   |  |   |                                       |           |
| 3 p.m.  |                                  | Biblical Aramaic.<br>*Semitic Philology.      |  |   |                                       |           |
| 4 p.m.  | †Semitic History.                |   |  |   |                                       |           |



## University of Toronto.

### Faculty of Arts.

1902-1903.

*President of the University*.....JAMES LOUDON, M.A., LL.D.

*Vice-President and Dean of the Faculty.*

R. RAMSAY WRIGHT, M.A., B.SC., LL.D.

- 
- |   |                      |
|---|----------------------|
| A. H. ABBOTT, B.A., <i>Lecturer in Philosophy.</i>  | 7 Russell Street.    |
| A. H. ADAMS, B.A., <i>Class Assistant in Biology.</i>                                       | 24 D'Arcy Street.    |
| F. B. ALLAN, M.A., PH.D., <i>Lecturer in Chemistry.</i>                                     | 20 Ross Street.      |
| GEO. R. ANDERSON, M.A., <i>Assistant in Physical Laboratory.</i>                            | 769 Euclid Avenue.   |
| ALFRED BAKER, M.A., <i>Professor of Mathematics.</i>  | 81 Madison Avenue.   |
| B. A. BENSLEY, B.A., PH.D., <i>Lecturer in Zoology and Assistant Curator of the Museum.</i> | The Dean's House.    |
| MISS C. C. BENSON, B.A., PH.D., <i>Assistant in Chemical Laboratory.</i>                    | 1 Washington Avenue. |
| E. F. BURTON, B.A., <i>Fellow in Mathematics and Lecture Assistant in Physics.</i>          | 347 Clinton Street.  |
| C. M. CARSON, B.A., <i>Assistant in Chemical Laboratory.</i>                                | 42 Murray Street.    |
| C. A. CHANT, M.A., PH.D., <i>Lecturer in Physics.</i>                                       | 52 Avenue Road.      |
| A. P. COLEMAN, M.A., PH.D., <i>Professor of Geology.</i>                                    | 476 Huron Street.    |
| F. J. A. DAVIDSON, B.A., PH.D., <i>Special Lecturer in Spanish.</i>                         | 22 Madison Avenue.   |
| A. T. DELURY, M.A., <i>Associate Professor of Mathematics.</i>                              | 110 Bedford Road.    |
| MISS M. DOWNING, B.A., <i>Laboratory Assistant in Psychology.</i>                           | 31 Hazelton Avenue.  |
| M. H. EMBREE, B.A., <i>Class Assistant in Biology.</i>                                      | 33 Beatty Avenue.    |
| J. H. FAULL, B.A., <i>Lecturer in Botany.</i>   | 92 Czar Street.      |

- J. C. FIELDS, B.A., PH.D., *Special Lecturer in Mathematics.*  
62 Sussex Avenue.
- C. M. FRASER, B.A., *Lecture and Laboratory Assistant in Biology.*  
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- W. H. FRASER, M.A., *Professor of Italian and Spanish.*  
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- F. B. KENRICK, M.A., PH.D., *Lecturer in Chemistry.* 209 John Street.
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Department.* 8 University Crescent.
- A. H. F. LEFROY, M.A., *Professor of Roman Law and Jurisprudence.*  
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- JAMES LOUDON, M.A., LL.D., *Professor of Physics.*  
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- W. J. LOUDON, B.A., *Associate Professor of Physics.* 133 Walmer Road.
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- W. A. PARKS, B.A., PH.D., *Lecturer in Mineralogy and Geology.*  
50 Albany Avenue.
- W. H. PIERSOL, B.A., M.B., *Lecturer in Elementary Biology and His-  
tology.* 26 Albany Avenue.
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- F. H. SCOTT, B.A., PH.D., *Demonstrator in Physiology.*  
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- R. B. THOMSON, B.A., *Class Assistant in Botany.* 34 Henry Street.
- ALFRED TINGLE, B.Sc., PH.D., *Junior Assistant in Chemical Laboratory.*  
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- P. TOEWS, M.A., PH.D., *Instructor in Spanish.* 60 Czar Street.
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- T. L. WALKER, M.A., PH.D., *Professor of Mineralogy and Petrography.*  
The Dean's House.
- S. M. WICKETT, B.A., PH.D., *Lecturer in Political Economy.*  
124 Isabella Street.
- R. RAMSAY WRIGHT, M.A., B.Sc., *Professor of Biology.*  
St. George Apartments.
- G. M. WRONG, M.A., *Professor of Modern History.* 467 Jarvis Street.
- J. MCGREGOR YOUNG, B.A., *Professor of Constitutional and International Law and Lecturer in Constitutional History.*  
The Dean's House.

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### University College—Faculty of Arts.

1902—1903.

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MAURICE HUTTON, M.A., LL.D., *Principal.*

- 
- W. J. ALEXANDER, B.A., PH.D., *Professor of English.*  
110 Avenue Road.
- J. H. CAMERON, M.A., *Lecturer in French.*
- A. CARRUTHERS, M.A., *Lecturer in Greek.* 132 Tyndall Avenue.
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- J. F. MCCURDY, PH.D., LL.D., *Professor of Oriental Literature.*  
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- G. H. NEEDLER, B.A., PH.D., *Lecturer in German.*
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- P. TOEWS, M.A., PH.D., *Instructor in German.* 60 Czar Street.
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Victoria University — Faculty of Arts.

1902—1903.

*President* . . . . . REV. N. BURWASH, S.T.D., LL.D.  
113 Bloor Street West.

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- A. R. BAIN, M.A., LL.D., *Nelles Professor of Ancient History.*  
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- REV. J. BURWASH, M.A., D.SC., LL.D., *Professor of English Bible.*  
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NOTE.—For officers of instruction in Federated and Affiliated Colleges, see pp. 353-373.



### University of Toronto—Faculty of Medicine.

*President of the University*....JAMES LOUDON, M.A., LL.D.

*Dean of the Faculty*.....R. A. REEVE, B.A., M.D., LL.D.

#### *Professores Emeriti.*

JAMES THORBURN, M.D.

W. W. OGDEN, M.D.

M. H. AIKINS, B.A., M.D.

J. H. RICHARDSON, M.D.

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20 Ross Street.

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30 St. Joseph Street.

T. D. ARCHIBALD, M.B., *Laboratory Assistant in Bacteriology.*

157 Gerrard Street East.

N. H. BEEMER, M.B., *Extra-Mural Professor of Mental Diseases.*

The Asylum, Mimico.

G. BOYD, B.A., M.B., *Lecturer in Clinical Medicine.*

167 Bloor Street East.

H. A. BRUCE, M.B., F.R.C.S., Eng., *Associate Professor of Clinical Surgery.*

64 Bloor Street East.

G. H. BURNHAM, M.D., F.R.C.S., Edin., *Associate Professor of Ophthalmology and Otology.*

167 Bloor Street East.

I. H. CAMERON, M.B., F.R.C.S., Eng., *Professor of Surgery and Clinical Surgery.*

307 Sherbourne Street.

W. P. CAVEN, M.B., *Associate Professor of Clinical Medicine.*

70 Gerrard Street East.

G. CHAMBERS, B.A., M.B., *Lecturer in Clinical Medicine.*

26 Gerrard Street East.

C. A. CHANT, M.A., PH.D., *Lecturer in Physics.*

52 Avenue Road.

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Asylum for Insane, Queen Street West.

F. A. CLARKSON, M.B., *Assistant Demonstrator in Pathology.*

588 Bathurst Street.

M. M. CRAWFORD, M.B., *Assistant Demonstrator in Pathology.*

22 Cottingham Street.

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74 St. Albans Street.

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265 Wellesley Street.
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323 College Street.
- E. R. HOOPER, B.A., M.B., *Assistant Demonstrator in Anatomy.*  
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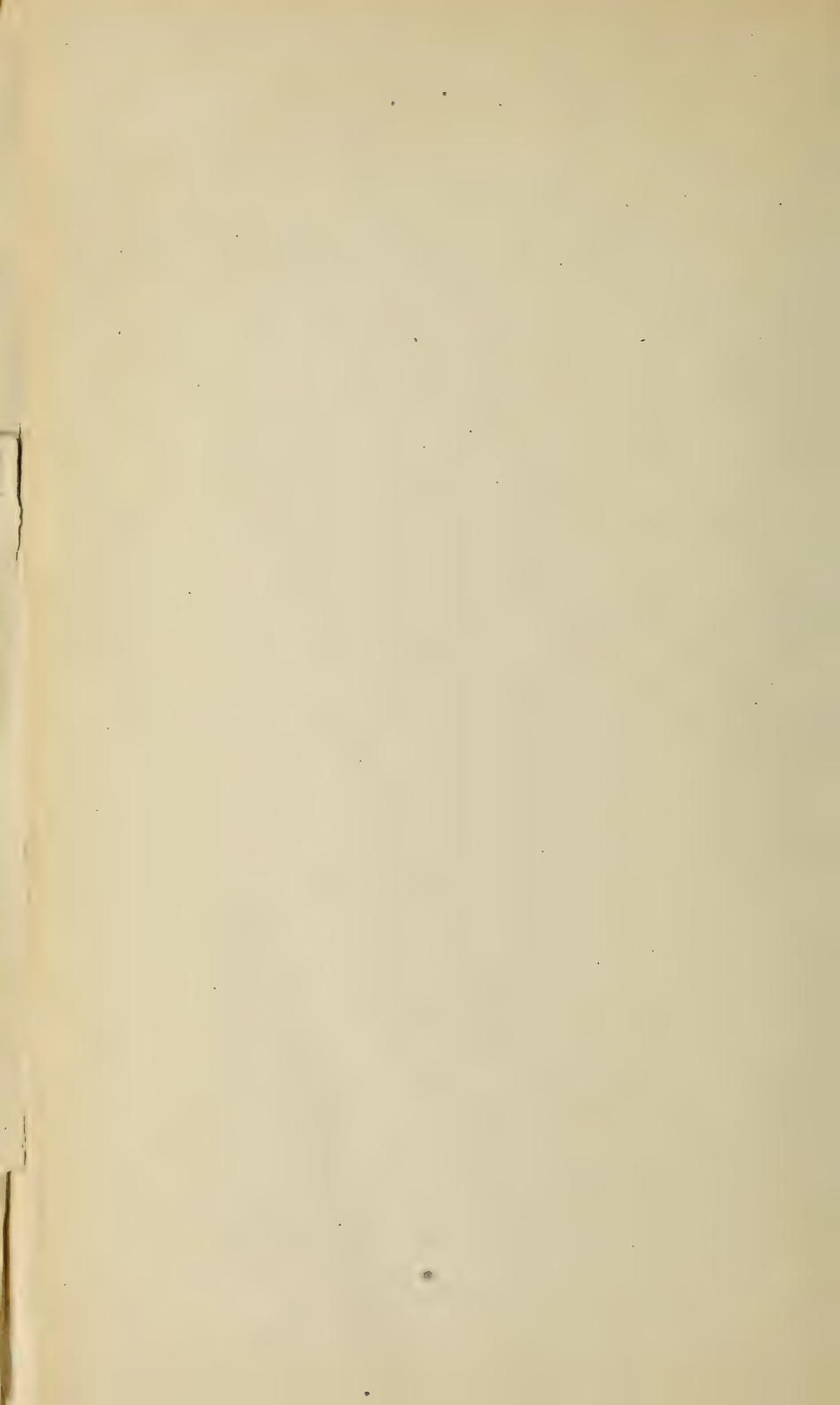
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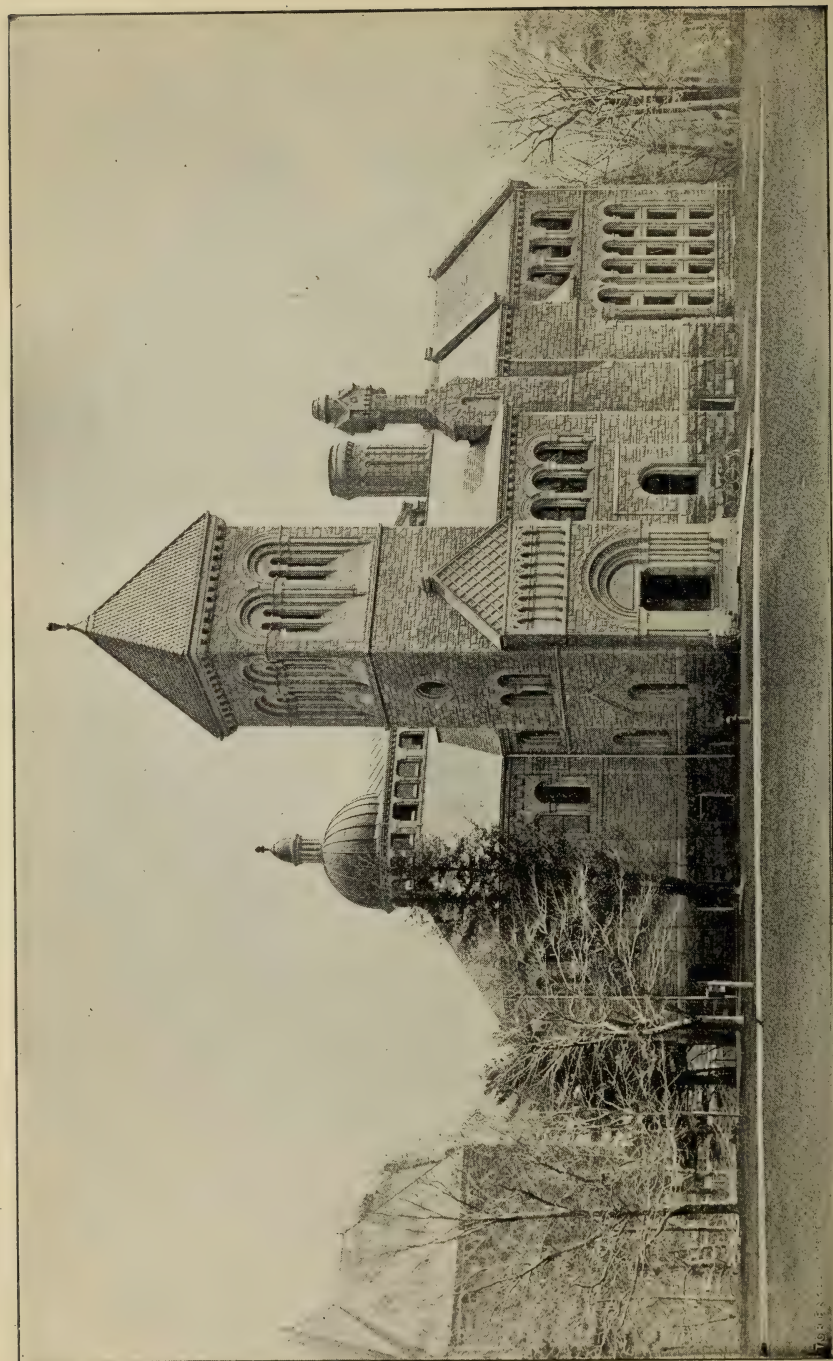
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LIBRARY.

by-laws, rules and regulations regarding the investment of the funds, the selling and leasing of University properties, the letting of contracts, the appointment and removal of the Bursar and his assistants, clerks and other officers and servants of the University, the fixing of salaries, the fees to be paid by students, the annual appropriations and the transaction of other business.

3. THE SENATE.—The Senate consists of three classes of members: (1) *Ex officio* members; (2) Appointed members; and (3) Elected members. The *ex officio* members are the Minister of Education, the Chancellor, the President of the University, the Principal of University College, the Chairman of the Board of Trustees, the president or head of each federated university or college, the deans of the faculties of Arts, Law, Medicine, and Applied Science and Engineering, and all past Chancellors and Vice Chancellors. The appointed members consist of three representatives appointed by the professors and associate professors in Arts and Law, two by the professors and associate professors in Medicine, two by every federated college, one by every federated university, one by University College, one by the Law Society of Upper Canada, and one by each affiliated institution (subject, however, in the latter case to certain restrictions). The elected members at present number twenty-six, and represent the graduates of the University of Toronto in Arts (twelve members), in Medicine (four members), in Law (two members), the graduates in Arts of the federated University of Victoria (five members), the graduates in Applied Science and Engineering (one member), and the High School teachers of the Province (two members)—the graduates in Medicine and Law of Victoria University voting along with the graduates of the University of Toronto in the same faculties.

The body thus composed is renewed, once in three years when all except the *ex officio* members must retire, being eligible, however, for reappointment or re-election. The chairman of the Senate is the Chancellor, who is the elected representative of the whole body of graduates, or in his absence the Vice Chancellor, who is elected by the Senate from

among its members at its inaugural meeting after the triennial dissolution.

The functions of the Senate regard the general management of the academic work of the University, including the courses of studies, the prescription of curricula in the various faculties and schools, the publication of the Calendars of the University and University College, the examinations for degrees, scholarships, prizes and certificates of honour, the granting of degrees, and the promotion of the interests and welfare of the University in cases not otherwise provided for by law. The Senate is empowered to make provision for the affiliation of any college, school or other institution established in the Province for the promotion of science or art, or for instruction in law, medicine, engineering, agriculture, or other useful branch of learning, and for the dissolution of such affiliation or the modification or alteration of the terms thereof.

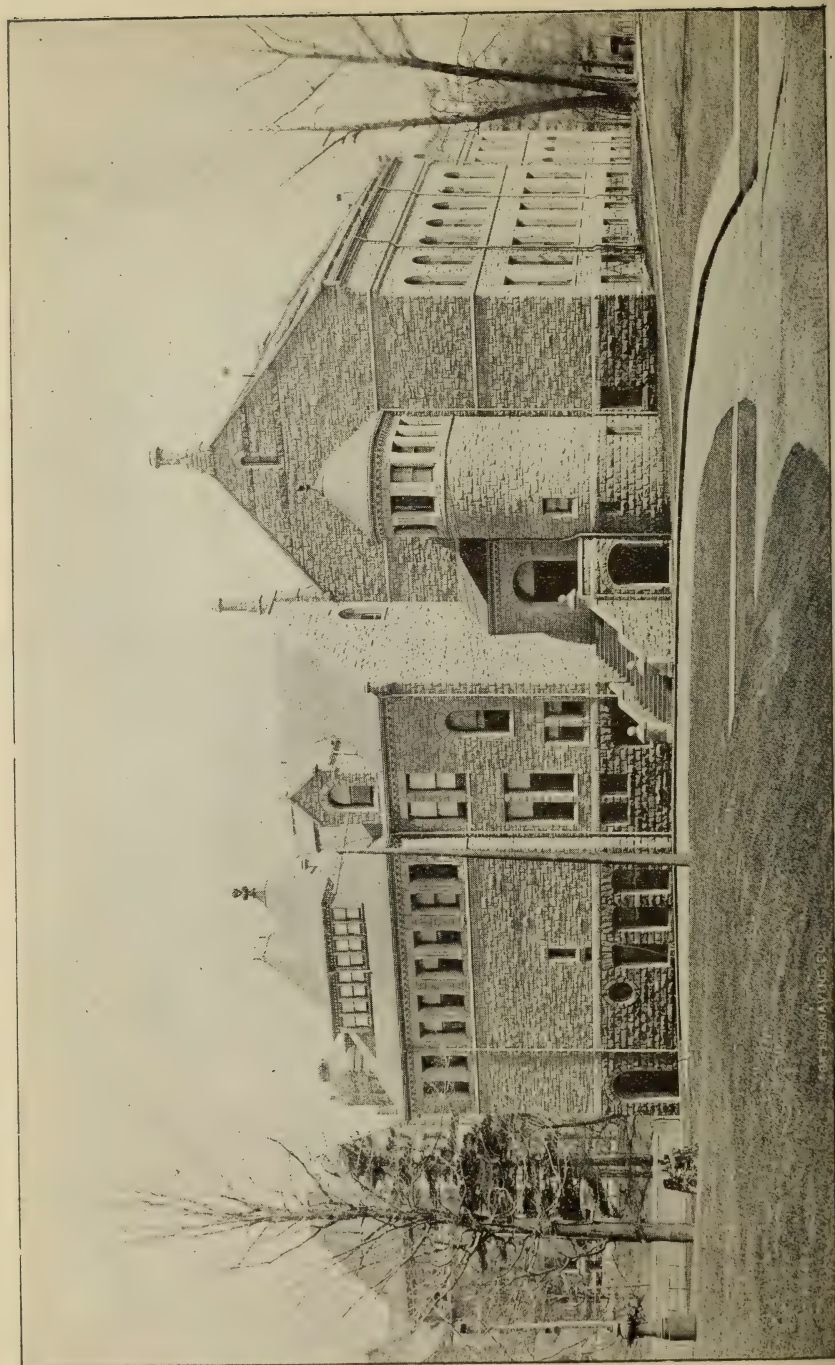
It may also report to the Visitor on the general condition and progress of the University, and has power to inquire and report concerning the conduct, teaching, and efficiency of members of the Faculties of the University of Toronto and of University College.

4. CONVOCATION.—Convocation consists of the whole body of graduates of the University, in all faculties. Except indirectly through its elected representatives, no part of the management of the University is exercised by it as a whole. It elects the Chancellor, and, in divisions according to faculty, it elects members of Senate as its representatives in Arts, Medicine, Law and Applied Science and Engineering. Any question relating to University affairs may be discussed by it, and a vote taken. The result of such discussion is communicated to the Senate, which must consider the representation made, and return to Convocation its conclusion thereon.

5. THE UNIVERSITY COUNCIL.—This body consists of the President, the senior Professor in each department of the University faculties of Arts, Medicine, Applied Science and Engineering, the Principal of University College, the Principal of each federated university or federated college and the Librarian of the University. The Council has power to deal







BIOLOGICAL BUILDING.

with all matters affecting the discipline of students, to impose reasonable fines and to control all student societies or associations. It is also empowered under certain conditions to determine the time-tables, lectures and laboratory work of the University, to grant dispensations from the lectures and laboratory work of the University and Colleges, and to authorize such lecturing or teaching in the University by others than the duly appointed professors and teachers as may be deemed expedient, and to prevent all lecturing or teaching not so authorized.

6. THE COUNCIL OF UNIVERSITY COLLEGE.—This body is composed of the Principal and the Professors and Associate Professors of the College. It has committed to it the direction and management of the College with full authority over and entire responsibility for the discipline (including the imposition of reasonable fines) of the undergraduates in relation to the lectures and other instructions of the professors, lecturers and other teachers of the College; and no lecturing or teaching of any kind may be carried on in the College by any other than the duly appointed professors or teachers without the authority of the Council.

7. FEDERATED INSTITUTIONS.—The following institutions are federated with the University, viz., Victoria University, Knox College, Wycliffe College and St. Michael's College. The President or other head of each is *ex officio* a member of the Senate and of the University Council. In addition, Knox, Wycliffe and St. Michael's Colleges each appoint two other representatives on the Senate. Victoria University appoints one other, and its graduates elect five more representatives. All regular students matriculated in the University who are enrolled in University College or Victoria University and who enter their names with the Registrar of the University are entitled to free instruction in Arts in the University. But this provision does not include exemption from laboratory fees, nor does it apply to post-graduate instruction. When a federated college, by arrangement with the University Council, teaches any part of the Arts course the Trustees may make a reduction in the fees of students taught in such College.

## GENERAL INFORMATION FOR STUDENTS.

### Discipline.

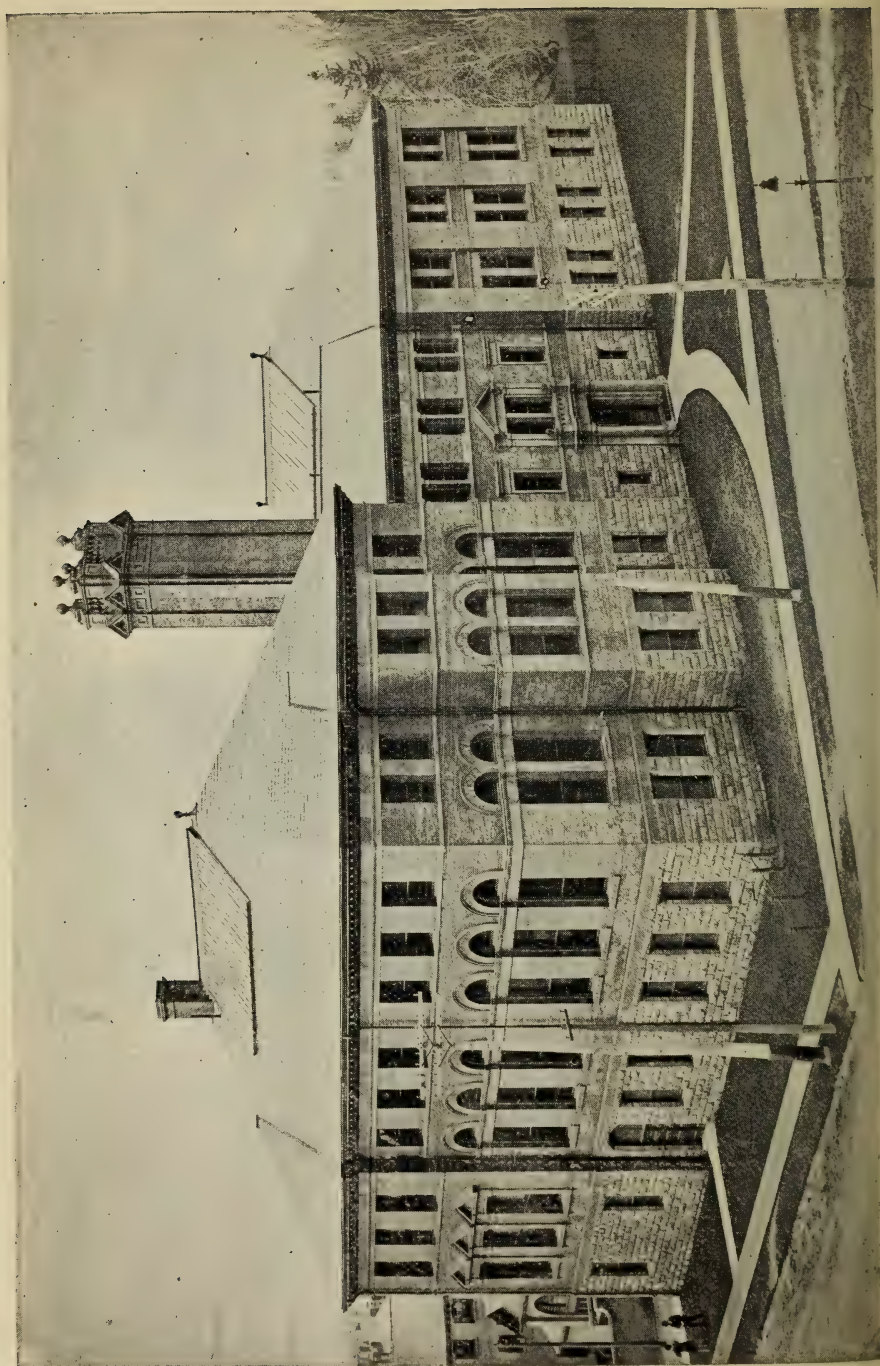
All students attending courses of instruction in the University of Toronto are responsible to the University Council for proper and orderly conduct within the University class rooms, buildings and grounds. The Council has authority to impose fines, and to use all other appropriate means of discipline.

### The Library.

The University Library occupies a separate building erected almost wholly by private benefaction, and completed in 1892. Besides a fireproof book room with a storage capacity of 100,000 volumes, it contains a reading room capable of seating upwards of 200 readers, a periodical room, seven departmental libraries, offices, cloak rooms and conversation rooms. The building is heated by steam throughout, thoroughly ventilated and supplied with electric light. The library contains at present upwards of 76,000 volumes, together with upwards of 17,000 unbound pamphlets. It is provided, as far as the income permits, with the standard and current literature of all subjects taught in the University. In the departments of the natural and physical sciences it includes the principal journals and transactions of societies. In the departments of language and literature, the works of all authors of primary or secondary importance from the origins of each literature to the present time are available, as well as the principal philological and literary periodicals. Corresponding facilities are provided in the departments of philosophy, history and political science. The library is a circulating one for members of the Faculty, and a library of reference for students. The latter, however, are allowed under certain conditions the use of books at home outside of library hours, and students engaged in special work, requiring the consultation of books of reference, are allowed access to the stack room by the librarian







on the recommendation of the professors. The departmental libraries are in charge of the professors in each department, and contain special reference collections of books. These rooms are used for the instruction of advanced students, who may at the discretion of their professors use the rooms and the books contained in them for private study. The conversation rooms, situated in the basement, are intended for the use of students who wish to withdraw for the purpose of discussion or combined study, to avoid disturbance of the reading room proper, where absolute quiet must be observed. Besides the general library, there is also a special collection of periodicals and monographs situated in the Biological Building, and another in connection with the Psychological Laboratory for the use of students and staff engaged in practical work.

### Laboratories.

The Physical Laboratory, established in 1878, is situated in the western part of the main University Building, and consists of a set of rooms for elementary work, together with a number of special laboratories. The apparatus in the former is suitable for preliminary exercises in reading and constructing scales, and for the simpler experiments in mechanics, geometrical optics, heat, sound and electricity. The special laboratories are equipped for the use of advanced Arts students taking the honour course in physics, and for senior students in engineering.

In connection with the Laboratory is a well equipped workshop in charge of a skilled mechanician who makes the necessary repairs, and constructs many of the new instruments added to the collection. Special arrangements may be made by graduate students for pursuing original investigations in the Laboratory.

The Psychological Laboratory, which was established in 1892, is situated in the west wing of the main University Building, in close proximity to the Physical Laboratory, the apparatus of which is available for some of the work in psychology. The Laboratory is well equipped for investigations in psycho-physics, psychological optics and acoustics

and time relations of mental phenomena. There is in connection with the Laboratory a small library containing the periodicals and the special literature of experimental psychology. On account of the increased number of undergraduates and graduates in the Philosophical Department, and especially in order to facilitate the independent research of the graduates, it was found necessary in 1896 to extend the Psychological Laboratory by the addition of the rooms adjoining the Ethnological Museum and in 1900 by the addition of the rooms in the two upper storeys of the first house of the Residence.

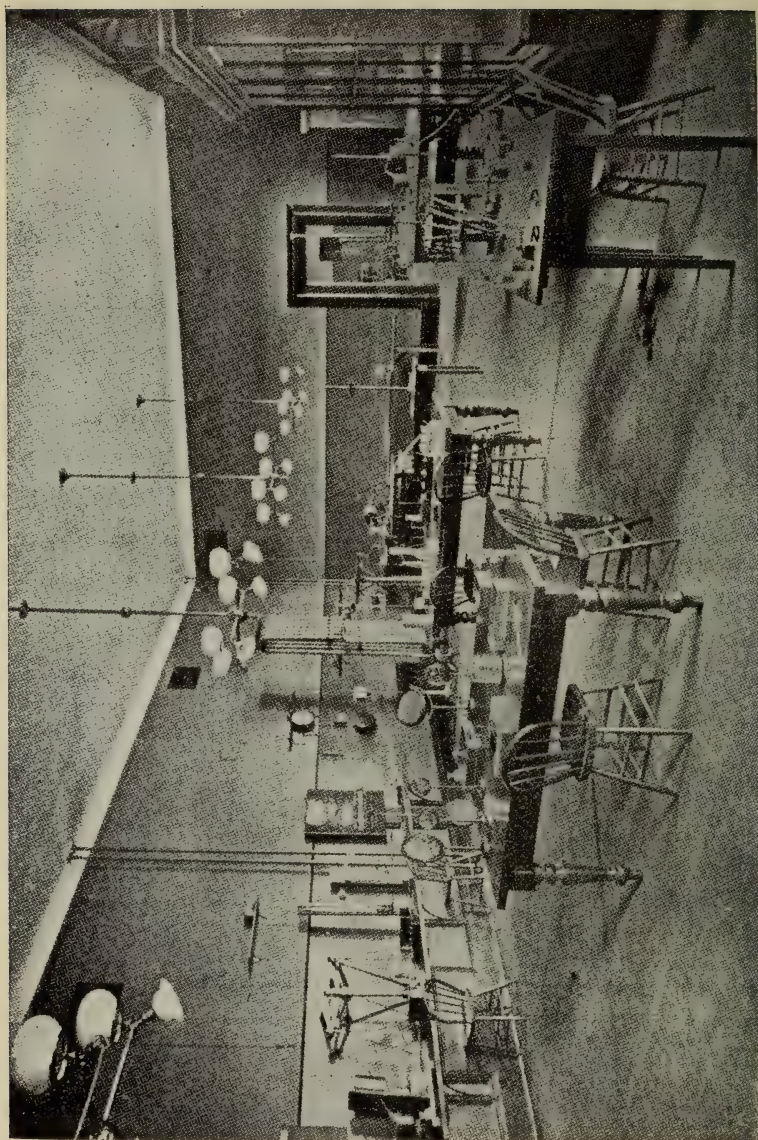
### **The Biological Building.**

The Biological Building is formed of a central portion, which contains the Biological Museum, and east and west wings, the latter of which is chiefly occupied with the Anatomical Department. The east wing, on the other hand, contains the twelve rooms and laboratories of the Biological Department proper; on the ground floor is the large lecture room, accommodating upwards of 250 students, with suitable cloak rooms, etc., attached. In addition to this are private rooms, a preparation room, departmental library, and a large laboratory for the students of the Fourth year. Above the lecture room on the first floor is situated the Elementary laboratory used for the practical instruction of the large classes of students of the First years in Arts and Medicine, while the remainder is occupied by a lecture room for small classes, a laboratory for students of the Third year, a photographic room, a draughting room for the preparation of diagrams, a laboratory for vegetable physiology and bacteriology, and various private rooms. The second floor contains two rooms for the preparation and storage of museum specimens, two for the accommodation of live animals, and also two hot houses for use in connection with the practical courses in botany. In the basement are store rooms for alcoholic museum specimens and for glassware, a carpenter's shop and an aquarium.

The laboratories are provided with microscopes and all apparatus used by the students in morphological work; the advanced laboratories are furnished with necessary works of







ELEMENTARY PHYSICAL LABORATORY.



reference, and the lecture rooms with projection apparatus and very complete series of diagrams.

### **The Physiological Laboratory.**

The Physiological Laboratory occupies the southern section of the new Medical Building recently erected. It contains a series of laboratories, constructed on the "unit" system, six of which are devoted to experimental physiology and five to physiological chemistry. These rooms are to be equipped to furnish complete courses in these subjects to classes of as many as one hundred and fifty students at any one time. There are also laboratories for special courses in these subjects, and in addition a series of small research rooms, each for individual workers on some special topic in bio-chemistry or physiological histology.

The Chemical Building was completed in 1895. It contains, in addition to two lecture rooms with accommodation for 300 and 100 students, respectively, special laboratories for qualitative analysis, quantitative analysis, organic preparations, physical chemistry, gas analysis, combustion and furnace operations, and for the prosecution of original investigation. The total number of working places in these laboratories exceeds 200.

The Laboratory for Mineralogy and Geology is accommodated temporarily in the west wing of the Biological Building. Assay furnaces and other appliances for the practical work of the department are provided.

### **The Biological Museum.**

The University Biological Museum forms the central portion of the Biological Building, and is open to the public. It is primarily intended as an educational museum for the students taking biology as part of their University work, but it has proved also of great interest to the general public. It is arranged in such a way as to facilitate the most elementary as well as the most advanced studies, each specimen, as far as possible, being furnished with a printed label indicating the most salient points which it is designed to illustrate.

The public entrance to the Museum is approached from the west façade of the Biological Building, while the students gain access to the rooms through the eastern wing, in which the laboratories are situated. The interior of the Museum, which occupies two floors, is subdivided into four rooms, seventy-five by twenty-five feet in size, and amply lighted by handsome windows on the north and south sides. Three of these room are devoted to animal biology, while the fourth, which is to be arranged for the illustration of vegetable biology, is temporarily fitted up for the accommodation of the Ferrier collection of minerals.

The public entrance opens into the north ground floor room, the wall cases of which contain stuffed specimens of the various orders of mammals, while the free-standing cases between the windows illustrate the comparative anatomy and development of that class. All the show cases are constructed of iron and plate glass, those destined for the exhibition of smaller specimens standing on wooden storage cases, built of cherry and cedar, and containing skins and other specimens for private study. The south ground floor room is devoted to the remaining vertebrate classes, the wall cases containing stuffed specimens of birds, reptiles, batrachians and fishes, and the smaller cases between the windows containing specimens illustrating the comparative anatomy and development of these classes.

A handsome staircase decorated with busts of distinguished biologists connects the ground floor with the first floor; a number of wall cases in ascending series contains a small collection of fossils from all parts of the world, as a graphic illustration of the relative position of the fossiliferous strata, and of their characteristic remains.

The south first floor contains illustrative specimens of all the remaining branches of the animal kingdom, the arthropods and molluscs being exhibited in the wall cases and the table cases standing in the alcoves of these, while the protozoa, sponges, coelenterates, echinoderms and worms are accommodated in the cases between the windows.

Although the Natural History Museum suffered consider-

able losses on the occasion of the University fire, these fortunately did not involve the large collection of models and specimens most useful from the educational point of view, while the generosity of public bodies and private individuals has largely repaired the losses referred to, so that the Museum will be found to constitute a most important addition to the instruction furnished in the lecture rooms and laboratories.

### The Ethnological Museum.

The Ethnological Museum is situated in the second storey of the main University Building. It contains that part of the ethnological collection which was saved from the fire of 1890, together with the additions which have been made since that time. There is a fair collection of skulls, including ancient Egyptian and Roman skulls and models of the Neanderthal, Cro-Magnon, and other famous skulls. There are also interesting palæolithic implements from the English and French Drift, and the beginning of a good collection of stone implements from various parts of Canada.

### University Publications.

Under the general title of "University of Toronto Studies," a publication in the interests of scholarship and research is issued, containing selected papers by members of the University. It is supported by a small grant from the provincial government. The committee of management represents the Faculties of the University, University College, Victoria University and the School of Practical Science. The President of the University is chairman of the committee, and the Librarian is general editor of the publications. From the nature of the publication, there is no regularity of issue, but as papers are accepted and recommended for publication, they are published to the extent of the funds available, without regard to any consideration except that of their value as contributions to the literature of learning.

For lists of studies published to January, 1903, see Appendix, pp. 34-35.

### Public Lectures.

In addition to the regular courses of instruction, a number of public lectures on special subjects of interest are delivered annually under the auspices of the University, on Saturday afternoons, by members of the Faculty and others whose services are given voluntarily in this work. The lectures cover a large variety of topics, and those delivered hitherto have been numerous attended by the public, as well as by the students of the University. For the list of subjects and lectures during 1902-1903, see Appendix, pp. 36 and 39.

### Student Societies.

Various societies and associations have been organized for the promotion of social intercourse, literary and scientific activity, music and athletics. For list of officers of these societies, see Appendix pp. 41, 48 and 52.

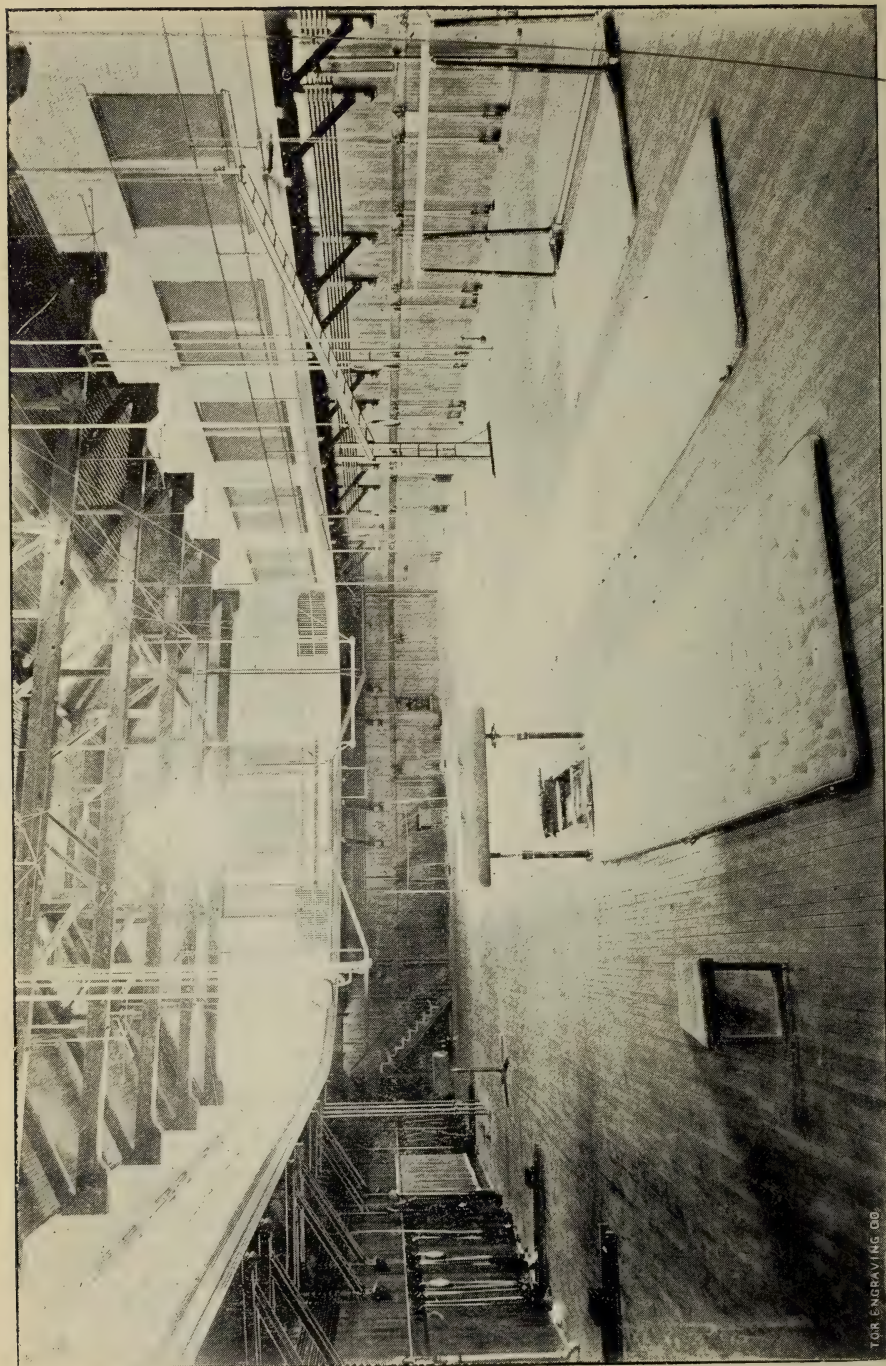
### Gymnasium and Athletic Grounds.

The University Gymnasium was completed and equipped in 1893. In 1894, additions were made to the front of the building in which the Gymnasium is situated, consisting of committee rooms and a large hall for public meetings. This additional accommodation is available for the work of the various student societies and for academic purposes. Applications for the use of rooms, accompanied by a list of officers and a copy of the constitution of the society making application, must be made to the President at the beginning of the session, or from time to time as occasion requires. Arrangements have also been made by which recognized societies may obtain the use of committee rooms on application to the janitor of the building.

The Gymnasium is fully provided with the best and most modern appliances for physical culture, and contains a running track, shower baths and swimming bath, besides the necessary dressing rooms and other conveniences. A competent instructor in gymnastics is in constant attendance to superintend and direct the exercises of students. In addition to the lawn in front of the main University Building and the







GYMNASIUM.

campus in the rear, a large plot of ground on Devonshire Place has been prepared and set apart as an Athletic Field. By this addition the facilities for football, cricket, tennis and other outdoor athletic sports are doubled, as compared with previous accommodation; and by these grounds, in conjunction with the Gymnasium, ample opportunity is afforded to all students for healthful exercise and physical development. To assist in meeting the expenses of the Gymnasium, a nominal annual fee is imposed on those who avail themselves of its advantages. The supervision of all athletic matters has been entrusted by the Council to the Athletic Association, consisting of members appointed from the Faculty and representatives of the students. All applications of clubs for the use of grounds must be made annually to this board. All such applications must be accompanied by a list of officers. In the case of new clubs, the list of officers must be accompanied by particulars as to the organization and objects of the club making application. For table of gymnasium hours, see Appendix, pp. 43-44.

A diploma in gymnastics and physical drill is granted to those who fulfil the requirements of the curriculum prescribed therefor by the Senate. (See p. 249).

### Undergraduate Union.

Through the efforts of the faculty, graduates, undergraduates and friends of the University, this organization was established during the session of 1900-1901. It has for its object the promotion of social intercourse among the students of the various faculties, colleges and schools. Apartments for the accommodation of the Union have been provided in a portion of the building formerly occupied by the College Residence.

### Dining Hall.

In October, 1900, the Dining Hall, formerly belonging to the College Residence, was reopened. Under the management of a representative committee, students are provided with meals at moderate rates. Full particulars may be obtained at the Dining Hall Office in the Dean's House.

### **Lodging and Board.**

Lodging and board are readily obtainable in numerous private boarding-houses within convenient distance of the University, at a cost of from three dollars upwards for comfortable lodging with board; or rooms may be rented at a cost of from one dollar per week upwards, and board obtained separately at moderate rates. A list of accredited boarding-houses is kept by the Secretaries of the Young Men's Christian Associations of University College and Victoria University, and students are recommended to consult them with reference to the selection of suitable accommodation.

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## INFORMATION FOR STUDENTS IN ARTS.

### Degrees.

The degree of Bachelor of Arts is conferred on those persons who have completed the prescribed courses of study and passed the required examinations. The courses of study extend over a period of four years, and are divided into General and Honour courses. A corresponding distinction is made in the degrees conferred. Attendance on lectures is compulsory, unless a dispensation is granted owing to special circumstances. The degree of Master of Arts is conferred on Bachelors of Arts in accordance with the regulations set forth on p. 89. Provision is also made for admission *ad eundem gradum* in the case of both degrees. The curriculum of study prescribed for the degree of Bachelor of Arts will be found on pp. 80-153. For further details, see also pp. 158-190. The degree of Doctor of Philosophy is conferred upon Bachelors of Arts of at least two years' standing, who have complied with the requirements prescribed by the Senate, see pp. 155-157.

### Entrance.

Candidates for the degree of Bachelor of Arts may enter this Faculty either by Junior Matriculation or Senior Matriculation (the examination of the First year). The certificate of the Department of Education is accepted *pro tanto* at both of these examinations. The subjects of Latin, English, History, Mathematics; and any two of Greek, French, German, Elementary Experimental Science, are required of all candidates at Junior Matriculation. The subjects of English, Latin; any two of the following languages, viz., Greek, French, German, Hebrew, Spanish; Ancient History, Mathematics, and Physics or Biology are required of all candidates at Senior Matriculation. Additional work in the various subjects is prescribed for



honour standing. The Junior Matriculation examination for the Province of Ontario is held in July, and applications must be sent to the Education Department before 24th May. A Junior Matriculation examination is also held in June, at various centres outside the Province of Ontario (see below). The Senior Matriculation examination is held in May and June, and Supplemental examinations for both Junior and Senior Matriculation are held in September, applications for all such examinations being sent to the Registrar of the University of Toronto. All applications must be accompanied by the prescribed fee, namely, five dollars for Junior Matriculation examination, and fifteen dollars for Senior Matriculation. Provision is also made for admission *ad eundem statum*, the fee being ten dollars. The July Junior Matriculation examination is held at the University of Toronto and at the various High Schools and Collegiate Institutes throughout the Province of Ontario. The June Junior Matriculation examination is held at such centres outside the Province of Ontario as may be determined from time to time. The May Senior Matriculation examination is held at the University of Toronto, and the June Senior Matriculation examination is held at the University of Toronto and at such other centres as may be determined from time to time. The Supplemental examinations are held at the University of Toronto only. For details see p. 83.

### Instruction.

Instruction is given in the various subjects of the Arts course by the Arts Faculty of the University of Toronto, the Faculty of University College, and the Arts Faculty of Victoria University. In the division of the work of instruction between these faculties the subjects are assigned as follows:— To the Faculty of the University of Toronto: Mathematics, Physics, Mineralogy and Geology, Biology, Chemistry, History of Philosophy, Logic and Metaphysics, Comparative Philology, Phonetics, Italian, Spanish, Modern History, Political Economy and Constitutional History, Constitutional and International Law, Roman Law, General Jurisprudence, and History of English Law; and to the Faculty of University

College, as also to that of Victoria University: Latin, Greek, Ancient History, English, French, German, Oriental Literature, Ethics. Instruction in certain options allowed to theological students of federated institutions is given in Victoria University, Knox College, Wycliffe College and St. Michael's College. St. Michael's College also co-operates with the University in the work of instruction in Modern History and Philosophy.

### Examinations.

In addition to the Matriculation examination mentioned above, candidates proceeding to the degree of Bachelor of Arts are required to pass an annual examination, held in the month of May, in all the subjects of their course of study. In each year and subject of the general course a report from the teaching staff is required, based upon such tests of proficiency as may be deemed most suitable by the staff. This report is incorporated with the results of the May examination, of which it constitutes an essential part. Candidates for honours in Physics, Chemistry, Biology, Mineralogy and Geology, and Psychology, before proceeding to the annual examination, must present a certificate of having attained honour standing in the practical work of the subject during the year. For details see pp. 84-89.

### Scholarships, Prizes and Medals.

A large number of scholarships are awarded in the University of Toronto upon the result of competitive examinations. Through the generosity of the Ex-Chancellor, Mr. Edward Blake, and others, twenty-nine scholarships are offered annually at Matriculation for proficiency in the subjects of the examination on the whole, and also for proficiency in one or more branches of learning. In nearly all cases these scholarships include free tuition throughout the undergraduate course, being made dependent, however, upon the maintenance of a certain standard of scholarship by the winner after Matriculation. With the exception of one scholarship with special conditions, they range in value from \$122 to \$254. In addition to the above, various undergraduate

scholarships are offered for competition in Mathematics, Physics, Philosophy, Natural Science, Chemistry and Mineralogy and Political Science. These scholarships range in value from \$30 to \$75, and are tenable for one year. A scholarship of \$60 in Political Economy, and one of £150 sterling in some branch of Science are offered for post-graduate competition, the former annually and the latter every second year. Prizes in books are offered in Italian. Medals are awarded in Mathematics, Physics, Natural Science, in the work of the general course, and in certain of the honour departments with English. For details see pp. 72-79.

### **Fellowships.**

Tutorial Fellowships are offered in Mathematics, Chemistry and Biology. They are of the value of \$500, and are open to graduates of the University only. The Fellows are appointed annually, and are eligible for reappointment for a period not exceeding three years in all. Fellowships are also offered in Political Science and Philosophy. For details, see p. 79.

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## INFORMATION FOR STUDENTS IN MEDICINE.

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### Session 1903-1904.

The seventeenth session since the re-establishment of the Medical Faculty of the University of Toronto will commence on Wednesday, 30th September, 1903.

### Degrees.

The degree of M.B. is given to students who have matriculated and who have completed the prescribed course of study and passed the examinations required. The curriculum for the degree of M.B. will be found on pp. 223-272. The degree of M.D. is conferred on Bachelors of Medicine of at least one year's standing who have presented an approved thesis or who have passed an examination as prescribed on p. 268.

### Entrance.

Candidates for a degree must pass the Junior Matriculation examination, unless (1) they possess a degree in Arts, not being an honorary degree, from any Canadian or British University; or, (2) have already matriculated in the Faculty of Arts or in the Faculty of Law in this University; or, (3) have been registered as matriculates in the College of Physicians and Surgeons of Ontario. Candidates may delay Matriculation until any time before the Second examination for the degree of M.B., but if possible candidates should matriculate before commencing their medical studies. For subjects of examination at Junior Matriculation, pass and honour, see pp. 92-102.

### Instruction.

The course of instruction given by the Faculty of Medicine prepares students primarily for the degree of M.B., and for



the license of the Ontario College of Physicians and Surgeons, but it fulfils the requirements of other Canadian and British Universities and it aims at giving the student such a training in the sciences as is now exacted of all those who desire to obtain any British medical qualification in addition to a Canadian one.

The new building of the Faculty of Medicine has been completed, and is fully equipped. A detailed description of it will be found elsewhere in the calendar. With the completion of this building, a series of laboratories and lecture theatres is provided on the University grounds where the most ample facilities are afforded for both the practical and didactic instruction of students in every department embraced in the medical curriculum. The laboratories of the new building will be devoted solely to the departments of physiology and pathology, and in addition to the provision made for instruction of undergraduate students, a series of special laboratories are to be found, fully equipped for research work. As heretofore, lectures and demonstrations will be given in the Biological, Chemical, Physical and Anatomical Laboratories and lecture rooms of the University. It is impossible to provide more complete and efficient accommodation for the teaching of scientific medicine than that which exists in the University of Toronto to-day.

Clinical instruction is given in the Toronto General Hospital, and the Mercer Eye and Ear Infirmary, the Burnside Lying-in Hospital, the Hospital for Sick Children, St. Michael's Hospital and other medical charities of Toronto. The facilities for clinical instruction have been very greatly improved, and the student has the fullest opportunities for making a thorough examination of all the cases of disease which are found in the wards and out-patient rooms of the hospitals. The students are arranged in small classes (of from twelve to fourteen) in order to facilitate this, and to enable the clinical teachers to give as much personal instruction as possible to each student.

The Faculty has in the General Hospital a laboratory for Clinical Pathology and Chemistry, which has been furnished

with microscopes and all apparatus required for the examination of pathological fluids and specimens; and students, when they act as clinical clerks, will be admitted to all the privileges of the laboratory.

In the department of anatomy, the arrangements for instruction are now unsurpassed. In addition to other methods of illustrating anatomy, there will be courses in which the projection microscope will be employed to demonstrate to large classes the relational structure of the different parts of the body as exhibited in frozen sections. In materia medica also the course of instruction conforms to the most advanced methods.

The faculty has spared no expense in making the arrangements for medical instruction perfect, and is convinced that these, added to the unrivalled facilities offered by the University laboratories for the study of chemistry, physics, biology, anatomy, histology, physiology and pathology, will furnish the fullest opportunities to the student for acquiring a medical education of the most advanced and most progressive character.

Attention is directed to the recent establishment of a Museum of Hygiene.

### Examinations.

In addition to the Matriculation examination, candidates are required to pass four examinations, which must be taken in the following order: the First at the end of the first session; the Second at the end of the second session; the Third at the end of the third session; and the Final at the end of the fourth session.

### New Science Course Adapted for Students Proceeding to the Degree in Medicine.

The special attention of students entering Medicine is directed to the recent enactment of the University Senate instituting a new curriculum in science leading to the degree of Bachelor of Arts. This course, entitled the honour department of Biological and Physical Sciences, is specially adapted for students who intend entering eventually upon Medicine, and em-

braces the purely science subjects which are demanded of students in the primary years of Medicine. This new curriculum is so arranged that at the completion of the Fourth year in the Arts course the student has already fulfilled the requirements of the first two years in Medicine. It will therefore be possible in the future for a candidate who has obtained his Arts degree in this course to enter immediately the Third year of Medicine, and he will be qualified to present himself for the degree of Bachelor of Medicine two years after graduating in Arts. In other words, it is possible for one to obtain the degrees of Bachelor of Arts and Bachelor of Medicine after six years study at the University.\*

The very great advantages of this course to a student entering Medicine are obvious. The preliminary science subjects of the course in Medicine are taught in much greater detail in the Arts course, as in the latter is included advanced laboratory and experimental work, such as is not required in the purely Medical course of studies. Further, the student is required to become proficient in modern languages, an acquirement which is of great value to the student of modern scientific Medicine.

This new course not only affords opportunity for wider culture and greater scientific attainment than is possible in the more limited four years' course in Medicine, but it fits one for a much wider field of usefulness after graduation. The graduate who has taken the science course in Arts and subsequently that of Medicine is qualified to devote his life to the purely scientific side of Medicine if he should so elect after leaving the University, and, moreover, he is undoubtedly better fitted to practice his profession should he desire to prepare himself for that alone.

Students may also combine the courses in Arts and Medicine to a less extent by proceeding to graduation in Arts through any one of the honour departments of biology, chemistry, geology and mineralogy and physics, certain courses and examinations in these departments being accepted as equivalent to similar courses and examinations in the faculty of Medicine.

### Medical Council Requirements.

A student desirous of obtaining a license to practise medicine in Ontario must pass the July Matriculation examination of the University of Toronto, including the subjects physics and chemistry, which entitle him to be registered as a medical student. A Fifth year of study is now demanded by the Ontario Medical Council. To meet this requirement a course of instruction has been arranged; students taking this course will have the opportunity of doing special work in the hospitals and laboratories, and they will be permitted to attend whatever didactic lectures they may desire.

For all information not covered by this announcement, the intending student should apply to the Registrar or to Professor A. Primrose, Biological Department, University of Toronto.

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### The New Medical Building.

The completion of the new Medical Building will provide the necessary space for handling properly the increasing classes.

This building, which cost \$125,000, is situated between the University Library and the anatomical wing of the Biological Department. An additional \$50,000 has been expended on equipment.

It is three storeys in height in front, with an additional storey and sub-basement in the wings, which extend eastward. Two large lecture rooms are provided which will flank the main building; the larger will have accommodation for about three hundred and fifty students; the smaller for about two hundred students.

In the south wing, in what may be called the basement storey, are situated caretaker's quarters, lavatories, recreation rooms and reading rooms for the students; in the same storey in the north wing is placed a large museum of hygiene.

The three main floors of the building are arranged upon



what has been called the unit system, a unit room being thirty feet long by twenty-three feet deep, lighted on its long face by two large windows.

These rooms may be united so as to form large laboratories or may be cut in two where it is necessary to have smaller rooms.

The south wing is occupied by the Arts department of Physiology, whilst the main portion of the building and the north wing will accommodate the final departments of Medicine.

On the ground floor in the main portion are situated in front the Dean's room, a large Faculty room, a lavatory and a library, behind is placed a large pathological museum.

In the north wing in this floor are placed a chart and preparation room back of the lecture theatre, preparation and store rooms for the pathological museum, and laboratories for gross pathology.

The second and third floors in the same wing and in front contain the laboratories of pathological histology and bacteriology with rooms for the Professor of Pathology and demonstrators, and unit rooms for small special classes.

In the north wing on the third floor three units are occupied by the Provincial Board of Health for its bacteriological and chemical laboratories.

An interesting feature of the building is the provision which is made for research students by the presence of a series of small rooms in front of the south lecture room, each large enough to accommodate one or two workers.

The ventilation is of the most modern type, and each room is provided with both gas and electric light.

The building in every way is thoroughly up to date, and in the extent of window light for the laboratories is probably unique on this continent.

## INFORMATION FOR STUDENTS IN APPLIED SCIENCE.

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### Degrees.

The degrees conferred are Bachelor of Applied Science (B.A.Sc.) (See p. 213), Civil Engineer (C.E.), Mining Engineer (M.E.), Mechanical Engineer (M.E.), and Electrical Engineer (E.E.). (See p. 214).

### Entrance.

Students may enter the regular course in any department, either (a) by presenting certificates of having passed the Matriculation examination in any University in His Majesty's Dominions, or in all the subjects of such Matriculation examination except Greek and Latin, or (b) the High School Junior Leaving Examination of the Province of Ontario, including either French or German.

### Instruction.

There are five regular Departments of Instruction, in each of which Diplomas are granted, viz.: 1. Civil Engineering (including Sanitary Engineering); 2. Mining Engineering; 3. Mechanical and Electrical Engineering; 4. Architecture; 5. Analytical and Applied Chemistry.

The instruction given in each of these departments is designed to give the student a thorough knowledge of the scientific principles underlying the practice in the several professions, and also such a training as may make him immediately useful when he commences active professional work.

The regular course in each department is of three years' duration, and leads to the Diploma of the School. The instruction is given partly in the lecture rooms and partly in the draughting rooms, laboratories and field. A certain amount

of the work is laid out for the summer vacation. The course of study in each department is general, and beyond the selection of his department the student has no opportunity to specialize.

### The Degree of B.A.Sc.

After the general course is finished the diploma of the school is granted and the student is at liberty either to enter the active life of his profession or to spend another year in special work. This year is called the Fourth or post-graduate year. Graduates electing to proceed with their studies are allowed to select two subjects from an approved list, and are required to confine their whole attention to these subjects during the Fourth year. The subjects on this list are such as require a large amount of time to be devoted to laboratory and other practical work. The advanced theoretical instruction is given either at the beginning or end of the working day, in order not to break in upon the time allotted to practical work. During this year the student is required to prepare a thesis on some subject connected with his work. The practical examinations are held by the School, while the written examinations and the examination of these theses are held by the University. After complying with all requirements, the candidate receives from the University the Degree of Bachelor of Applied Science (B.A.Sc.).

### Professional Degrees.

Bachelors of Applied Science may, after three years spent in professional work, present themselves for the degrees of Civil Engineer (C.E.), Mining Engineer (M.E.), Mechanical Engineer (M.E.), or Electrical Engineer (E.E.), as the case may be, subject to the rules and regulations established by the University.

## FACULTY OF ARTS.

### Regulations Relating to Students.

1. The regular students include undergraduates of the University, and matriculants, *i.e.*, students who, though they have not passed the prescribed matriculation examination, are taking the full undergraduate course.

2. No student will be enrolled in any year, or be allowed to continue in attendance, whose presence for any cause is deemed by the University Council to be prejudicial to the interests of the University.

3. Matriculated students are required to attend the courses of instruction and the examinations in all subjects prescribed for students of their respective standing, and no student will be permitted to remain in the University who persistently neglects academic work.

4. All interference on the part of any student with the personal liberty of another, by arresting him, or summoning him to appear before any tribunal of students, or otherwise subjecting him to any indignity or personal violence, is forbidden by the Council. Any student convicted of participation in such proceedings will render himself liable to expulsion from the University.

5. A student who is under suspension, or who has been expelled from a College or the University, will not be admitted to the University buildings or grounds.

6. The constitution of every University society or association of students and all amendments to any such constitution must be submitted for approval to the University Council. All programmes of such societies or associations must, before publication, receive the sanction of the Council. Permission to invite any person not a member of the Faculty of the University to preside at or address a meeting of any society or association must be similarly obtained. Societies and associations are required to confine themselves to the objects laid down in their constitution.

7. The name of the University is not to be used in connection with a publication of any kind without the permission of the University Council.

8. Occasional students may be admitted to lectures on application to the President.

9. Certificates of attendance on lectures in any department during an academic year may be given to occasional students who have been regular in their attendance, and who have also passed the examinations in such department.



## FEES.

All fees, with the exception of those for Matriculation, are payable to the Bursar, at his office in the Main University Building, between the hours of ten and one o'clock, except on Saturday.

The following fees are payable:—

### I. UNIVERSITY FEES.

#### General.

|  |         |
|--|---------|
| For Junior Matriculation .....   | \$ 5 00 |
| For Senior Matriculation .....   | 15 00   |
| For Certificate of Matriculation Standing.....                                 | 5 00    |
| For each Supplemental Examination .....  | 10 00   |
| For the January Supplemental Examination .....                                 | 15 00   |
| For each Examination after Matriculation.....                                  | 14 00   |
| For change of Faculty .....  | 5 00    |
| For admission <i>ad eundem statum</i> .....                                    | 10 00   |
| For the Degree of B.A.....   | 10 00   |
| For the Degree of M.A. (examination, \$10; degree, \$10)                       | 20 00   |
| For admission <i>ad eundem gradum</i> (B.A. or M.A.)....                       | 20 00   |
| For registration for Ph.D. course.....   | 25 00   |
| For the Degree of Ph.D.....  | 50 00   |
| For dispensation from attendance at lectures in a feder-<br>ated College ..... | 5 00    |
| For Certificates of Honour, each.....  | 1 00    |
| For Library fee (annually).....  | 2 00    |

The fee for each examination after Matriculation shall be \$14, this regulation to include Supplemental examinations in cases where the full examination is taken, and does not arise in consequence of rejection at a previous examination.

The fee for a partial Supplemental examination and for a full Supplemental examination, which does arise in consequence of rejection at a previous examination, shall be \$10.

Matriculated undergraduates who are registered students of University College, or of any federated University, may attend lectures of University professors and lecturers in the Faculty of Arts without payment of fees, except those imposed for laboratory work; but such students must enter their names with the Registrar of the University.

#### Laboratory Fees.

“A course in laboratory work” means the continuous course of instruction in laboratory or practical work offered to the student in any one

year in any of the undermentioned subjects, namely, Physics, Chemistry, Mineralogy and Geology, Psychology, Biology (including Physiology, Zoology, Botany and Histology), and any other separate subject in which laboratory work is or may be prescribed.

“A partial course of laboratory work” means a special course, or any subdivision, complete in itself, of a course of laboratory work as above defined.

“A matriculated student in Arts” means a student who is matriculated in the University of Toronto, and enrolled in University College or a federated University, and whose name is entered with the Registrar of the University of Toronto.

“An occasional student” includes every student in whose case the Board of Trustees of the University of Toronto is by law authorized to determine fees for courses of lectures in the University of Toronto.

Laboratory fees shall be divided into, (a) Fees for practical instruction in the laboratory, (b) Charges for supplies.

The annual practical instruction fee for an occasional student attending a course, or partial course, of laboratory work shall be based on the lecture fee prescribed for occasional students by the Board of Trustees, namely:—

|  |        |
|--|--------|
| For each course of not more than 15 hours..... | \$2 00 |
| For each course between 15 and 30 hours.....   | 3 00   |
| For each course between 30 and 50 hours.....   | 5 00   |
| For each course between 50 and 80 hours.....   | 7 00   |
| For each course of more than 80 hours.....     | 8 00   |

### Practical Instruction Fees.

The annual practical instruction fee for an occasional student attending a course, or partial course, of laboratory work, shall be ascertained by adding for the purpose of calculation, to the number of lecture hours in the same course, or partial course, the number of hours of laboratory work therein; and by rating the aggregate lecture and laboratory fee for that course combined accordingly, as for example:—

Assuming the course of lectures to comprise fifteen hours, and the course of laboratory work to comprise fifteen hours, making thirty in all, the total fee for the course of lectures and laboratory work combined shall be that prescribed above for thirty lecture hours, namely, \$3.

### Charges for Laboratory Supplies.

Charges for supplies shall include laboratory materials and instruments used by or for the student, and ordinary wear and tear of instruments; but not charges for waste, neglect and breakage, which are to be met out of a deposit to be fixed by the Professor.

This schedule for supply charges will remain in force until the courses named below lapse by the gradual introduction of the courses named on the next page.

The annual supply charges for a matriculated student in Arts shall be according to the following table :

|   | CHEMISTRY. | MINERALOGY<br>AND<br>GEOLOGY. | BIOLOGY. | PHYSICS. | PSYCHOLOGY. | TOTALS. |
|---|------------|-------------------------------|----------|----------|-------------|---------|
|   | \$ c.      | \$ c.                         | \$ c.    | \$ c.    | \$ c.       | \$ c.   |
| <b>SECOND YEAR AND DEPARTMENT.</b>      |            |                               |          |          |             |         |
| Chemistry and Mineralogy .....          | 3 00       | 1 00                          | .....    | 1 00     | .....       | 5 00    |
| Physics and Chemistry .....             | 3 00       | .....                         | .....    | 1 00     | .....       | 4 00    |
| Natural Sciences .....                  | 2 00       | 1 00                          | 5 00     | 1 00     | .....       | 9 00    |
| Mathematics and Physics .....           | 2 00       | .....                         | .....    | .....    | .....       | 2 00    |
| <b>THIRD YEAR AND DEPARTMENT.</b>       |            |                               |          |          |             |         |
| +Chemistry and Mineralogy .....         | 10 00      | 2 00                          | .....    | 2 00     | .....       | 14 00   |
| Natural Sciences, Div. I.—Biology ..... | 2 00       | .....                         | 10 00    | .....    | .....       | 12 00   |
| “ “ Div. II.—Geology .....              | 2 00       | 2 00                          | 10 00    | .....    | .....       | 14 00   |
| Physics .....                           | .....      | .....                         | .....    | 8 00     | .....       | 8 00    |
| +Physics and Chemistry .....            | 7 00       | .....                         | .....    | 7 00     | .....       | 14 00   |
| Psychology .....                        | .....      | .....                         | .....    | .....    | 2 00        | 2 00    |
| <b>FOURTH YEAR AND DEPARTMENT.</b>      |            |                               |          |          |             |         |
| +Chemistry and Mineralogy .....         | 10 00      | 4 00                          | .....    | .....    | .....       | 14 00   |
| Natural Sciences, Div. I.—Biology ..... | .....      | .....                         | 20 00    | .....    | 2 00        | 22 00   |
| “ “ Div. II.—Geology .....              | .....      | 10 00                         | .....    | .....    | .....       | 10 00   |
| Physics .....                           | .....      | .....                         | .....    | 10 00    | .....       | 10 00   |
| +Physics and Chemistry .....            | 7 00       | .....                         | .....    | 7 00     | .....       | 14 00   |
| Psychology .....                        | .....      | .....                         | .....    | .....    | 3 00        | 3 00    |

† Students in these Departments, who take Biology in order to qualify as Specialists in Science, are required to pay the Laboratory fee in Biology of the first and second years in lieu of the Laboratory fee in Mineralogy and Geology of the third and fourth years respectively.

This schedule for supply charges becomes operative this session for the courses of the First Year and for any others in the higher years for which provision is made in the Curriculum. The annual supply charges for a matriculated student in Arts in the various Laboratories of the University shall be according to the following table :

|  | BIOLOGICAL | CHEMICAL | GEOLOGICAL<br>AND<br>MINERALOGICAL | PHYSICAL | PHYSIOLOGICAL | PSYCHOLOGICAL | TOTAL |
|--|------------|----------|------------------------------------|----------|---------------|---------------|-------|
| <b>FIRST YEAR.</b>                           |            |          |                                    |          |               |               |       |
| Natural and Physical Science .....           | \$ 2       | \$ 2     | ...                                | \$ 1     | ...           | ...           | \$ 5  |
| <b>SECOND YEAR.</b>                          |            |          |                                    |          |               |               |       |
| 1. Biology .....                             | 5          | 2        | \$ 1                               | 1        | ...           | ...           | 9     |
| 2. Chemistry, Division I. ....               | 5          | 3        | 2                                  | ...      | ...           | ...           | 8     |
| 3. Chemistry, Division II. ....              | ...        | 3        | 2                                  | ...      | ...           | ...           | 5     |
| 4. Geology and Mineralogy, Division I. ....  | 5          | 2        | 1                                  | 1        | ...           | ...           | 9     |
| 5. Geology and Mineralogy, Division II. .... | ...        | 3        | 2                                  | ...      | ...           | ...           | 5     |
| 6. Physics .....                             | 5          | 2        | ...                                | 1        | ...           | ...           | 8     |
| 7. Biological and Physical Sciences. ....    | 3          | 2        | ...                                | 1        | ...           | ...           | 6     |
| <b>THIRD YEAR.</b>                           |            |          |                                    |          |               |               |       |
| 1. Biology .....                             | 10         | ...      | ...                                | ...      | \$2           | ...           | 12    |
| 2. Chemistry .....                           | ...        | 10       | 2                                  | 1        | ...           | ...           | 13    |
| 3. Geology and Mineralogy, Division I. ....  | ...        | 2        | 2                                  | ...      | ...           | ...           | 4     |
| 4. Geology and Mineralogy, Division II. .... | ...        | ...      | 2                                  | 1        | ...           | ...           | 3     |
| 5. Physics .....                             | ...        | ...      | ...                                | 8        | ...           | ...           | 8     |
| 6. Philosophy .....                          | ...        | ...      | ...                                | ...      | ...           | \$2           | 2     |
| 7. Biological and Physical Sciences .....    | 10         | 2        | ...                                | 1        | ...           | ...           | 13    |
| <b>FOURTH YEAR.</b>                          |            |          |                                    |          |               |               |       |
| 1. Biology .....                             | 15         | ...      | ...                                | ...      | 5             | 2             | 22    |
| 2. Chemistry .....                           | ...        | 10       | ...                                | ...      | ...           | ...           | 10    |
| *3. Geology and Mineralogy .....             | ...        | ...      | 3                                  | ...      | ...           | ...           | 3     |
| 4. Physics .....                             | ...        | ...      | ...                                | 10       | ...           | ...           | 10    |
| 5. Philosophy .....                          | ...        | ...      | ...                                | ...      | ...           | 3             | 3     |
| 6. Biological and Physical Sciences. ....    | 15         | ...      | ...                                | ...      | 5             | ...           | 20    |

\* Fees for Drawing and Assaying are not included



The annual supply charges for an occasional student shall be according to the following table:—

*A. Partial Course 1.*

Being that prescribed for students in the School of Practical Science in Civil Engineering:—

|                            |        |
|----------------------------|--------|
| Second Year, Physics ..... | \$1 50 |
| Third Year, Physics .....  | 1 00   |

*B. Partial Course 2.*

Being that prescribed for students in the School of Practical Science in Architecture:—

|                            |        |
|----------------------------|--------|
| Second Year, Physics ..... | \$1 00 |
| Third Year, Physics .....  | 2 00   |

*C. Partial Course 3.*

Being that prescribed for students in the School of Practical Science in Mechanical and Electrical Engineering:—

|                            |        |
|----------------------------|--------|
| First Year, Physics .....  | \$1 00 |
| Second Year, Physics ..... | 1 50   |
| Third Year, Physics .....  | 3 00   |

*D. Partial Course 4.*

Being that prescribed for matriculated students in Medicine:—

|                   | Chemistry. | Biology. | Physiology. |
|-------------------|------------|----------|-------------|
| First Year .....  | \$3 00     | \$2 00   | .....       |
| Second Year ..... | 3 00       | 3 00     | \$2 00      |

The payment of fees shall not entitle any occasional student to be admitted to the laboratory work of a later year without having taken that of the earlier year or years, unless this requisite is dispensed with by the Senate on the recommendation of the Professor.

## Fees for Occasional Students in Arts, and Library Fees.

1. "A course of lectures" means the continuous course of instruction, excepting laboratory work, offered in the University Faculty to students in Arts in any one year in any of the undermentioned subjects, namely: History, Italian and Spanish, Phonetics, History of Philosophy, Logic, Metaphysics and Psychology, Political Science (including Political Economy, Jurisprudence and Constitutional Law), Mathematics, Physics, Chemistry, Mineralogy and Geology, Biology (including Physiology, Zoology, Botany and Histology), and any other separate subject in which instruction is or may be given by the teaching Faculty in the University of Toronto.

"A partial course of lectures" means any special course or any subdivision, complete in itself, of a course of lectures as above defined.

"A matriculated student in Arts" means a student in Arts who is matriculated in the University of Toronto and enrolled in University

College or a Federated University, and whose name is entered with the Registrar of the University of Toronto.

“An occasional student” includes every student in whose case the Board of Trustees is by law authorized to determine fees for courses of lectures in the University of Toronto.

2. The annual fee for an occasional student attending a course, or partial course, of lectures shall be as follows:—

|  |        |
|--|--------|
| For each course of not more than 15 hours..... | \$2 00 |
| For each course between 15 and 30 hours.....   | 3 00   |
| For each course between 30 and 50 hours.....   | 5 00   |
| For each course between 50 and 80 hours.....   | 7 00   |
| For each course of more than 80 hours.....     | 8 00   |

3. Every matriculated or non-matriculated student proceeding to a degree in Arts shall pay, at the time of the entry of his name with the Registrar, an annual library fee of \$2.

4. No occasional or other student of any class shall be admitted to the library, save upon the payment of an annual fee of \$2.

N.B.—All the above fees are payable in advance, and in the case of fees for lectures, if not paid during the month of October (or in the case of students attending in Easter term only, during the month of January), an additional fee of one dollar per month will be imposed until the whole amount is paid.

The fee for each examination must be paid at the time of application.

The fee for admission *ad eundem statum*, for change of faculty, for admission to a higher year on the certificate of the head of a federated college, for dispensation from attendance at lectures, or for certificates of honour, must be paid at the time of application.

## II. COLLEGE FEES.

Graduates in Arts, who during their undergraduate course were enrolled either in University College or in Victoria University, may attend lectures free in the College or University in which they were so enrolled.

For regular students in Arts, “a course of lectures” means a continuous course of instruction offered to matriculated students in Arts in any one year in any subject.

“A partial course of lectures” means any special course or any subdivision, complete in itself, of a course of lectures as above defined.

“A matriculated student in Arts” means a student who is matriculated in the University, and enrolled in University College or Victoria University, and whose name is entered with the Registrar of the University.

“An occasional student” includes every student, not being a matriculated student under the above definition, in whose case the Board

of Trustees is by law authorized to determine fees for courses of lectures.

Every matriculated student in Arts shall, on each year's enrolment in University College or Victoria University, pay an enrolment fee according to the following table; which fee shall include all instruction for which fees are by law chargeable, except laboratory supply charges and library fees:—

### Table of Fees.

|  |         |
|--|---------|
| First Year—Any course or department.....   | \$36 00 |
| Second Year—Any course or department.....  | 36 00   |
| Third Year—Chemistry and Mineralogy or Biological<br>and Physical Science .....  | 31 00   |
| Natural Science or Physics and Chemistry   | 31 00   |
| Any other course or department.....  | 36 00   |
| Fourth Year—Physics and Chemistry, Chemistry and<br>Mineralogy, or Physics ..... | 31 00   |
| Biology or Biological and Physical<br>Science .....                              | 26 00   |
| Any other course or department.....  | 36 00   |

The annual enrolment fee of a matriculated student in Arts taking, under the regulations, more than one honour course, shall be \$36 only.

The enrolment fee of a matriculated student in Arts attending lectures for one term, or part of a term, shall be \$18.

The enrolment fee for students receiving dispensation from attendance at lectures in University College or Victoria University shall be \$5 for each term, in addition to the University fee of \$5. The payment of these fees entitles the student to supervision of "term work" prescribed in connection with his course.

The annual fee for an occasional student attending a course, or partial course, of lectures in University College or Victoria University shall be similar to the lecture fee prescribed by the by-law of the Board of Trustees for occasional students, namely:—

|  |        |
|--|--------|
| For each course of not more than 15 hours..... | \$2 00 |
| For each course between 15 and 30 hours.....   | 3 00   |
| For each course between 30 and 50 hours.....   | 5 00   |
| For each course between 50 and 80 hours.....   | 7 00   |
| For each course of more than 80 hours.....     | 8 00   |

The annual enrolment fee of an occasional student attending all the courses of lectures in any year shall be \$36.

|                                     |        |
|-------------------------------------|--------|
| For each Certificate of Honour..... | \$1 00 |
|-------------------------------------|--------|

N.B.—All the above fees are payable in advance, and if not paid during the month of October (or in the case of students attending in Easter term only, during the month of January), an additional fee of \$1 per month will be imposed until the whole amount is paid,

# SCHOLARSHIPS, PRIZES AND MEDALS.

## I. University.

### A. Matriculation Scholarships.

The scholarships hereinafter mentioned, with the exception of the Prince of Wales Scholarship, the Gibson Scholarship, and the Mary Mulock Scholarships, are provided from the endowment fund presented by the Honorable Edward Blake, ex-Chancellor of the University, and are known as the Edward Blake Matriculation Scholarships.

#### I.

There are, including the Prince of Wales Scholarship, nine Junior Matriculation scholarships for general proficiency in the four departments of Classics, Mathematics, Modern Languages and Science, and the subdepartment of History.

These scholarships are of the following values:—

| SOURCE OF MONEY. |   |          | FREE TUITION. |          | TOTAL<br>VALUE. |
|------------------|---|----------|---------------|----------|-----------------|
| (1)              | { His Majesty The King.....<br>(Name, Prince of Wales.) | \$ 50 00 | .....         | .....    | \$ 50 00        |
| (1a)             | The Hon. Edward Blake .....<br>(Name, Edward Blake.)    | 60 00    | Four Years    | \$144 00 | 204 00          |
|                  |   |          |               |          | \$254 00        |
| (2)              | The Hon. J. M. Gibson .....<br>(Name, Gibson.)          | 100 00   | Three Years   | 108 00   | 208 00          |
| (3)              | The Hon. Edward Blake .....<br>(Name, Edward Blake.)    | 55 00    | Four Years    | 144 00   | 199 00          |
| (4)              | " " "   | 50 00    | "             | 144 00   | 194 00          |
| (5)              | " " "   | 45 00    | "             | 144 00   | 189 00          |
| (6)              | " " "   | 40 00    | Three Years   | 108 00   | 148 00          |
| (7)              | " " "   | 35 00    | "             | 108 00   | 143 00          |
| (8)              | " " "   | 30 00    | "             | 108 00   | 136 00          |
| (9)              | { " " "<br>(Name, West Durham.)                         | 25 00    | .....         |          | 25 00           |

Candidates for these Scholarships must obtain first class honours in at least one department.

The scholarship (1a) shall be held together with the Prince of Wales Scholarship.

The scholar to whom this scholarship (2) is awarded is required to register in University College throughout his course in Arts.



The scholarship (9) is preferentially tenable by a scholar from the Bowmanville High School.

## II.

There are twelve Junior Matriculation scholarships for proficiency in two departments, of the following values:—

|  |     | SOURCE OF MONEY.  |         | FREE TUITION. |          | TOTAL<br>VALUE. |
|--|-----|---|---------|---------------|----------|-----------------|
| CLASSICS AND MATH-<br>EMATICS, two . . . | (1) | The Hon. Ed-<br>ward Blake.<br>(Name, Ed-<br>ward Blake.) | \$60 00 | Four Years    | \$144 00 | \$204 00        |
|  | (2) |   | 40 00   | ThreeYears    | 108 00   | 148 00          |
| CLASSICS AND<br>MODERNS, four . .        | (1) | “   | 60 00   | Four Years    | 144 00   | 204 00          |
|  | (2) |   | 55 00   | “             | 144 00   | 199 00          |
|  | (3) |   | 40 00   | ThreeYears    | 108 00   | 148 00          |
|  | (4) |   | 35 00   | “             | 108 00   | 143 00          |
| MATHEMATICS AND<br>MODERNS, two . .      | (1) | “   | 60 00   | Four Years    | 144 00   | 204 00          |
|  | (2) |   | 40 00   | ThreeYears    | 108 00   | 148 00          |
| MATHEMATICS AND<br>SCIENCE, two . . .    | (1) | “   | 60 00   | Four Years    | 144 00   | 204 00          |
|  | (2) |   | 40 00   | ThreeYears    | 108 00   | 148 00          |
| MODERNS AND<br>SCIENCE, two . . .        | (1) | “   | 60 00   | Four Years    | 144 00   | 204 00          |
|  | (2) |   | 40 00   | ThreeYears    | 108 00   | 148 00          |

Candidates for these scholarships must obtain at least first class honours in one of the specified departments and second class in the other of them.

## III.

There are eight Junior Matriculation scholarships for proficiency in one department, of the following values:—

|                       |     | SOURCE OF MONEY.  |   | FREE TUITION. |            | TOTAL<br>VALUE. |
|-----------------------|-----|---|---|---------------|------------|-----------------|
| CLASSICS, two . . . . | (1) | { Mary Mulock.<br>(Name, Mary<br>Mulock.)                   | \$60 00                                 | ThreeYears    | \$108 00   | \$168 00        |
|                       | (2) |   | Mary Mulock.<br>(Name, Mary<br>Mulock.) | 60 00         | Two Years. | 72 00           |
| MATHEMATICS, two      | (1) | { The Hon. Ed-<br>ward Blake.<br>(Name, Ed-<br>ward Blake.) | 60 00                                   | ThreeYears    | 108 00     | 168 00          |
|                       | (2) |   | 30 00                                   | "             | 108 00     | 138 00          |
| MODERNS, two . . .    | (1) | { " "   | 60 00                                   | "             | 108 00     | 168 00          |
|                       | (2) |   | 30 00                                   | "             | 108 00     | 138 00          |
| SCIENCE, two . . . .  | (1) | { " "   | 60 00                                   | "             | 108 00     | 168 00          |
|                       | (2) |   | 30 00                                   | "             | 108 00     | 138 00          |

Candidates for these scholarships must obtain first class honours in their department.

GENERAL REGULATIONS.

The marks for all classes of scholarships shall be assigned in the following proportions:—

|                        |                                   |     |      |
|------------------------|-----------------------------------|-----|------|
| CLASSICS .....         | { Latin .....                     | 600 | 1200 |
|                        | { Greek .....                     | 600 |      |
| MATHEMATICS .....      |                                   |     | 1200 |
| MODERN LANGUAGES ..... | { English .....                   | 400 | 1200 |
|                        | { French .....                    | 400 |      |
|                        | { German .....                    | 400 |      |
| SCIENCE .....          | { Chemistry .....                 | 400 | 1200 |
|                        | { Physics .....                   | 400 |      |
|                        | { Biology (Botany, Zoology) ..... | 400 |      |
| HISTORY .....          |                                   |     | 200  |

The marks obtained at the examination for Part I. shall not be taken into account in awarding any of the scholarships.

All candidates for scholarships in one or more departments shall at the same examination pass in the other subjects prescribed for Part II., of the Junior Matriculation. The subjects of Part I., in which they are also required to pass, may be taken at the same or a previous examination.

A candidate who has been awarded a scholarship at a Junior Matriculation examination shall not be eligible for a scholarship at a subsequent Matriculation examination.

Saving the exception as to the Prince of Wales Scholarship, no one shall be entitled to hold more than one scholarship; but anyone who would, but for this provision, have been entitled to a second scholarship shall be published in the lists and receive a certificate of honour.

Every candidate for a Junior Matriculation scholarship in the University of Toronto, shall, on application for examination, sign a declaration to the effect that he intends to proceed to a degree in Arts in the University of Toronto.

No scholarship shall be awarded save on condition that the candidate becomes a matriculated student in actual attendance in the University of Toronto.

Free tuition awarded shall be available on the following conditions:—For the First year on the award of the scholarship; for any year after the first on proof that the claimant has passed his examination for the preceding year with first class honours in at least one department.

In the case of candidates who obtained scholarships prior to 1896, free tuition shall be accorded on a second class standing.

In case in any year any scholarship be not taken, it shall be allowable to award such scholarship, or some part thereof, to a candidate who has shown special excellence in the examination in some other group, and has taken scholarship rank therein, but has failed to win a scholarship therein.

In case in any year any scholarship be not awarded, the money undisposed of shall be divided among the scholarships for the succeeding year.

The Board of Arts Studies may from time to time make and amend any regulations requisite to carry out the plan: such regulations shall be laid before the Senate at its next meeting, and may be from time to time amended by the Senate or referred back to the committee for consideration.

#### RESOLUTION PASSED BY THE JOINT BOARD, DECEMBER 28, 1895.

That examinations for University Scholarships be held at any centre where there is an examination for Matriculation, provided any additional necessary expenditure be met by the locality; and that the appointment of presiding examiners receives the approval of the Joint Board.

### B. Undergraduate Scholarships.

The following scholarships have been founded and endowed in the University, and are open for competition to all undergraduates in Arts, who are candidates for honours in the departments and years to which they are assigned:—

#### POLITICAL SCIENCE.

THE BANKERS' Scholarship, of the value of \$70, the gift of the Bank of Toronto, the Canadian Bank of Commerce, the Dominion, Imperial, Standard and Traders' Banks, and the Union Bank of Lower Canada. Only such candidates are eligible as may have passed the examination of the First year and as may undertake to proceed to graduation in the Department of Political Science. A special examination on some special text-book of history or finance will be held at the time of the Supplemental examinations in September. This scholarship is not tenable with any other.

The text-book for September, 1903, is JONES, *Economic Crises*; or CUNNINGHAM, *Western Civilization*, Vol. II. Candidates should consult Vol. I.

THE ALEXANDER MACKENZIE Scholarships, two of the value of \$75 each, and two of the value of \$50 each, the gift of friends of the late Hon. Alexander Mackenzie.

#### PHILOSOPHY.

THE JOHN MACDONALD Scholarship, of the value of \$50, the gift of the late Hon. John Macdonald.

THE S. B. SINCLAIR Scholarship, of the value of \$25, the gift of S. B. Sinclair, Esq., M.A., Ph.D.

THE KIRSCHMANN Scholarship, of the value of \$25, the gift of Dr. A. Kirschmann. This scholarship shall be awarded at the end of the Third year to the student who ranked first in the subject of Light, with first or second class honours in the Department of Philosophy of the Second year and obtained first class honour standing in Experimental Philosophy of the Third year. In case the winner of the John Macdonald Scholarship in Philosophy of the Third year is eligible for the Kirschmann Scholarship, the latter shall be awarded to the next eligible candidate.

#### MATHEMATICS AND PHYSICS.

THE WILLIAM MULOCK Scholarship, of the value of \$60, the gift of the Hon. Sir William Mulock, M.A., LL.D..

THE ALEXANDER T. FULTON Scholarship, of the value of \$60, the gift of the late Alexander T. Fulton.

A scholarship of the value of \$75, the gift of the Local Committee for the Toronto meeting of the American Association for the Advancement of Science. In awarding this scholarship, the theoretical and practical work in the department will be estimated in the proportion of three to one.

#### NATURAL AND PHYSICAL SCIENCES.

THE EDWARD BLAKE Scholarship, of the value of \$60, the gift of the Hon. Edward Blake.

THE DANIEL WILSON Scholarships, of the value of \$30 each, the gift of a friend. In case either of these scholarships is not awarded, the value of both scholarships shall be awarded to the scholar in the other department or division.

THE EDWARD BLAKE Scholarships, two of the value of \$60 each, in Chemistry and Mineralogy, and Chemistry and Physics, respectively, the gift of the Hon. Edward Blake.

THE ALEXANDER T. FULTON Scholarships, three of the aggregate value of \$120, the gift of the late Alexander T. Fulton.

THE DANIEL WILSON Scholarship, of the value of \$60, in Chemistry and Mineralogy, the gift of a friend.

A scholarship of the value of \$70, the gift of the Local Committee for the Toronto meeting of the American Association for the Advancement of Science.

The years and honour departments to which the above-named scholarships have been assigned are as follows:—

#### FIRST YEAR.

|  |      |   |    |
|--|------|---|----|
| Political Science, The Bankers' Scholarship.....               | \$70 |   |    |
| Mathematics and Physics, The Alexander T. Fulton Scholarship.. | 60   |   |    |
| Natural and  | {    | The Alexander T. Fulton Scholarship.. 1st | 50 |
| Physical Sciences  |      | The Alexander T. Fulton Scholarship.. 2nd | 40 |
|  |      | The Alexander T. Fulton Scholarship.. 3rd | 30 |



## SECOND YEAR.

|  |      |
|--|------|
| Political Science, The Alexander Mackenzie Scholarship.....  | \$75 |
| Political Science, The Alexander Mackenzie Scholarship.....  | 50   |
| Philosophy, The John Macdonald Scholarship.....              | 50   |
| Philosophy, The S. B. Sinclair Scholarship.....              | 25   |
| Mathematics and Physics, The William Mulock Scholarship..... | 60   |
| Natural Science, The Edward Blake Scholarship.....           | 60   |
| Chemistry and Mineralogy, The Edward Blake Scholarship.....  | 60   |
| Chemistry and Physics, The Edward Blake Scholarship.....     | 60   |

## THIRD YEAR.

|   |      |
|---|------|
| Political Science, The Alexander Mackenzie Scholarship.....     | \$75 |
| Political Science, The Alexander Mackenzie Scholarship.....     | 50   |
| Philosophy, The Kirschmann Scholarship.....                     | 25   |
| Natural Science, Div. I., The Daniel Wilson Scholarship.....    | 30   |
| Natural Science, Div. II., The Daniel Wilson Scholarship.....   | 30   |
| Chemistry and Mineralogy, The Daniel Wilson Scholarship.....    | 60   |
| Chemistry and Physics, The Loc. Com. of A. A. A. S. Scholarship | 70   |

No candidate shall be permitted to hold more than one scholarship; but any one who would, but for this provision, have been entitled to a second scholarship, shall have his name published in the lists.

All undergraduate scholars must sign a declaration of intention to proceed to a degree in Arts in this University, and must attend lectures in University College or Victoria University for the academic year immediately following such examination. The Senate, however, may, upon satisfactory reasons being shown, permit such scholar to postpone attendance upon lectures for a year. If at the end of the year a further postponement is necessary, special application must be made to the Senate. In every such case the payment of the scholarship shall likewise be postponed. The scholarships are paid in three instalments—on the fifteenth of November, the fifteenth of January and the fifteenth of March; and each scholar is required to send to the Registrar a certificate of attendance upon lectures at least three days before the date of each payment.

No scholarship will be awarded to any candidate who has been placed lower than the first class in the department to which the scholarship is attached.

## C. Prizes in Books.

Four prizes in books, the gift of the Minister of Foreign Affairs for the Kingdom of Italy, are offered for competition among the students of Italian of the First, Second, Third and Fourth years, respectively. These prizes are awarded by the University Council.

### D. Medals.

THE GOVERNOR-GENERAL'S Medals, the gift of His Excellency the Earl of Minto, are awarded by the Senate of the University under the following conditions:—

1. The Gold Medal shall be awarded to that candidate in the final examination for the B.A. degree who, taking not less than 66 per cent. in English (as defined below), and not less than 75 per cent. in some one of the following honour departments:—(a) Classics, (b) Philosophy, (c) (d) Mathematics or Physics, (e) (f) Natural Science (either division), shall also take the best aggregate mark in the two subjects.

2. English shall be understood to mean only the papers (at present four in number) on later English literature (from the end of the 15th century).

3. In order to obviate any unfairness arising from a different system of marking in different departments, the principle shall be always adopted of raising the marks of the best candidate in the first class of each department to the maximum, and those of the others in proportion, unless the examiners of any department report that the marks of the best candidate in their department are not of sufficient merit to be so raised.

4. The Registrar shall publish not only the name of the successful candidate, but also the names of all candidates who, by satisfying the above conditions, are eligible for the award.

5. The Silver Medal shall be awarded to that candidate in the Second year of the general course who, taking not less than 75 per cent. in this examination, takes also the highest aggregate of marks when the result of the First and Second year examinations in this course are added together, such examinations having been taken in two consecutive calendar years.

6. The discretion of the examiners (paragraph three above), as in the examination for the Gold Medal, shall apply also to this examination.

#### NATURAL SCIENCE.

The Cawthorne Medal, the gift of F. T. Shutt, M.A., awarded on the recommendation of the Natural Science Association.

#### MATHEMATICS.

The Glashan Gold Medal, the gift of J. C. Glashan, LL.D., awarded by the University Council to the University College candidate of the Fourth year who stands highest in first class honours.

## PHYSICS.

The Ottawa Gold Medal, awarded by the University Council to the University College candidate of the Fourth year who stands highest in first class honours.

This Medal is the gift of the following Alumni, residents of Ottawa: Otto Klotz, Esq., J. C. Glashan, LL.D., J. L. McDougall, M.A., C.M.G., W. Fitzgerald, M.A., Frederick Hayter, B.A., W. D. LeSueur, B.A., A. H. McDougall, B.A.

## THE COMMERCIAL COURSE.

The P. W. Ellis Bronze Medal, awarded by the University Council to the student of the Second year who stands highest in this course.

## POLITICAL SCIENCE.

The P. W. Ellis Silver Medal, awarded by the University Council on the recommendation of the Political Science Club to the student in the Commercial Course or Department of Political Science, for the best essay undertaken as summer research work.

The P. W. Ellis Gold Medal, awarded by the University Council to the student in the Fourth year in the Department of Political Science who stands first in first class honours.

## E. Graduate Scholarships.

THE RAMSAY Scholarship in Political Economy, of the value of \$60, the gift of Mr. William Ramsay. This Scholarship is open for competition to all graduates or undergraduates who have been placed in the first class in one of the Economic subjects of the Fourth year in the honour department of Political Science; but not more than two years must have elapsed since the competitor passed the examination above specified. The award is made upon an essay, the subject of which must be some question in Economics or Finance of interest to the commercial community in Canada, to be announced in May of each year, and the competition closes on the 15th of September thereafter, by which date the essays must be sent to the Registrar.

The subject for 1903 will be The History of Provincial Revenues since Confederation.

The following outlines are given by way of suggestion: (1) Division of revenues at Confederation. (2) Growth of provincial revenues since 1867 and the sources (public domain, licenses, fees and taxes). (3) Conclusions. Appendix—Latest provincial budgets collaborated. Candidates are advised to deal with the subject year by year, beginning with the latest reports and working back to the date of Confederation.

The subject for 1904 is the Economic History of Canada from Confederation to 1886. This period covers the years down to the opening of the Canadian West, from which time the modern industrial history of Canada may be said to date. Candidates may, at their option, select

special subjects for investigation, *e.g.*, manufacture and foreign trade, banking, labour conditions and organizations, or the history of any particular industry, such as lumbering, the fisheries, transportation, etc.

The subject for 1905 is the Municipal History of any Town or City in Canada, the municipality to be selected by the competitor.

The following outlines are given by way of suggestion: (1) Sketch of city's or town's development. (2) Administrative organization of the municipality and relation to Province. (3) The administrative work. (4) Its financial history, including its financial relations to the Province. (5) Conclusions.

Authorities must be carefully stated in every case.

THE 1851 EXHIBITION Science Scholarship of the value of £150 sterling, given by the Commissioners for the International Exhibition of 1851, is awarded once in two years by the University Council for research in some branch of Science. Subject to a satisfactory report as to progress in study, it is ordinarily tenable for two years at home or abroad.

#### F. Graduate Fellowships.

THE GEORGE PAXTON YOUNG Memorial Fellowship in Philosophy, of the value of \$300, will be awarded in June, 1905, by the University Council. The holder must be a Bachelor of Arts who has taken an honour course in Philosophy. This scholarship is tenable for one year, and the holder must devote his whole time to the study of some topic falling under the general term Philosophy. He may pursue his studies either in the University of Toronto, or in some other University approved by the University Council; but in either case he shall furnish to the University Council such evidence as may from time to time be required, that he is faithfully observing the conditions under which the scholarship was awarded. Applications must be in the hands of the Registrar on or before June 15th, 1905. Further particulars may be obtained from the Registrar.

THE ALEXANDER MACKENZIE Fellowships in Political Science, two of the value of \$375 each, the gift of the friends of the late Hon. Alexander Mackenzie. These fellowships are awarded annually by the University Council to graduates of the University of Toronto, and they are tenable for one year, but the Council may, at its discretion, award them for a second term. The holder of a Mackenzie Fellowship shall devote his time to the prosecution of special studies at the University of Toronto under the direction of the head of the department in which the fellowship is awarded. The sum of \$125 shall be paid to the holder of the fellowship on the 15th of October; a further sum of \$125 on the 15th of January, provided that the progress of his studies is satisfactory to the Council at that date; and a final instalment of \$125 on the 15th of April, or as soon thereafter as his thesis shall be accepted by the Council. During his tenure of the fellowship he shall not be permitted to pursue



a professional or technical course of study, nor shall he engage in remunerative employment except by permission of the Council. He shall further conform to such other regulations as the Council may deem necessary for carrying out the object of special research for which these fellowships are designed. Any violation of the conditions under which the appointment is made shall operate to vacate the fellowship.

### G. The Flavelle Travelling Fellowship.

Through the liberality of J. W. Flavelle, Esq., of Toronto, the University Council is enabled to offer for competition in 1903 a Travelling Fellowship, of the value of \$750 per annum, tenable for two years in the Modern History School of the University of Oxford, and awarded as follows:—In 1903 in the Department of English and History (Classical option).

The object of the fellowship has been stated by the donor to be, “in the first instance, to contribute something towards preparing and retaining in the country, if possible, a class of strong men, who may eventually find their way into public life, or at least be with us as the development of higher education in the Dominion requires their services: in the second instance, to encourage the study of history, ancient and modern.”

The following paragraphs are extracts from the regulations governing the award:—

- (1) The fellowship shall be open to men who have obtained first class honours in “Classics,” or “English and History” (Classical option), as the case may be, in at least the Third and Fourth years, but preferably during the whole of their course. Among the men thus qualified the fellowship shall be awarded to the man who stands first in ancient or modern history, as the case may be, as shown by his examinations. But the Board of Appointment (provided below) may by a vote, containing not more than one dissenting voice, pass over the candidate whose marks are highest in favour of one who, in their judgment, better meets the wishes of the donor as expressed in the words of the preamble “in the first instance . . . . . their services.”
- (2) The fellowship shall be awarded in the month of June, and there shall be eligible for it members both of the class then graduating and of the class which graduated in the previous year, subject to the provisions of clause (1).
- (3) The fellowship shall be tenable only in the University of Oxford.
- (4) It shall be open to men only.

- (5) The fellow shall take advantage of the provisions made by the University of Oxford for Colonial students and graduate in Oxford in the Honour School of Modern History.
- (6) Where graduates of different years are applying, the Board, if not unanimous in their choice, shall appoint a special examination, such as they think fit, for the purpose of selecting the best candidate, and shall give notice of such examination. The award shall then be made by a vote containing not more than one dissenting voice and subject to the provisions of clause (1): but where all the candidates are of the same year no special examination shall be held.
- (7) Should a suitable man not be available in the department to which the fellowship by rotation falls, it shall be awarded in the other department on the same terms, and then alternate as contemplated. Should no man be qualified in either department, the money shall accumulate, and be used for additional fellowships of the same kind and on the same terms.
- (8) The following shall constitute the first Board of Appointment:—Professors Hutton, Bell, Bain, Fletcher, Wrong, Robertson and Mr. Milner; that is to say, three representatives of University College, three of Victoria College, and one of the University Arts Faculty. It shall be the duty of this Board to interpret and apply these clauses, to give notice of the fellowship and to call for applications.

## FELLOWSHIPS.

### University.

Tutorial Fellowships in Mathematics, Chemistry and Biology of the annual value of \$500 each, are awarded annually. The selection is made from among graduates of the University. Each fellow is appointed annually; but he may be reappointed for a period not exceeding, in all, three years.

Each fellow is required to assist in the teaching and practical work of his department, under the direction of the professor or lecturer. The fellows are selected with a special view to their aptitude for teaching, and their attainments in the department in which the appointment is to be made. Every fellow on accepting his appointment comes under an obligation to fulfil the duties of his fellowship during the academic year in which he is appointed, unless specially exempted.

Candidates must send in their applications annually to the Registrar, not later than the first day of June.

# The University of Toronto.

## REGULATIONS AND CURRICULUM IN ARTS.

### Degree of Bachelor of Arts.

1. There are two ordinary modes of proceeding to the degree of Bachelor of Arts, viz.: (1) by taking the general course; or, (2) by taking an honour course.

2. Candidates may enter the Faculty of Arts by passing either the Junior Matriculation examination or the Senior Matriculation examination.

3. The Junior Matriculation examination is held in July under the joint control of the University of Toronto and the Education Department of Ontario, at centres within the Province.

4. A Junior Matriculation examination is conducted by the Senate in September, at the University, and at such other places as may from time to time be determined upon.

5. The Senior Matriculation examination is held in May, June and September, at the University; but under certain conditions, the June examination may be held at local centres within the Province.

6. Junior and Senior Matriculation examinations will be held in June, at such places outside of the Province of Ontario as may from time to time be determined upon by the Senate. Applications for the appointment of local centres for holding such an examination must be made to the Registrar of the University not later than the fifteenth day of April in each year.

7. The examinations in September are open only to candidates taking the general course.

### Junior Matriculation.

8. Candidates for Junior Matriculation must produce satisfactory certificates of good conduct, and of having completed the sixteenth year of their age.

9. The subjects of the general course for Junior Matriculation shall be taken at *one* examination, and shall be as follows:—English Com-

position, English Literature, English Grammar, Algebra, Euclid, Arithmetic, History (British, Canadian and Ancient), Latin, and any *two* of Greek, French, German, Experimental Science (Physics and Chemistry).

10. The number of examination papers shall be as heretofore, except in History and Experimental Science, for each of which there shall be one paper, with **two sections in each.**

11. Candidates who have already passed part I. of the pass Junior Matriculation or of the Junior Leaving examination shall not be required to pass again in subjects thereof.

12. Candidates who have been starred in not more than *two* subjects of the general course at the Junior Matriculation examination shall complete the examination at one subsequent examination.

13. A candidate who has passed in any of the subjects of part I. or of part II. Junior Matriculation prior to 1903, may complete Junior Matriculation at one subsequent examination taken not later than 1905, provided that he has not had more than one previous trial on either part.

14. Candidates for honours and scholarships who have already passed in the general course of the Junior Matriculation examination, shall be exempt from the examinations in arithmetic and English grammar.

15. Candidates for honours and for scholarships will be examined only on the honour papers in a department; but candidates who fail to obtain honours may receive pass standing on these papers. For first class honours a candidate must obtain at least seventy-five per cent.; for second class honours, at least sixty-six per cent.; and for third class honours at least fifty per cent.

16. For pass, a candidate shall obtain one-third of the marks assigned to each paper. On each of the "Authors" papers not more than one-third of the marks shall be assigned to sight translation.

17. The ordinary annual examination for pass and honour Junior Matriculation shall commence in July, and applications therefor must be sent to the Education Department through the Public School Inspector or the Registrar of the University, not later than May 24th. In the case of candidates for scholarships, applications must be sent to the Registrar of the University by the above-mentioned date. If the candidate desires to write at the University, the fee must accompany the application; otherwise the fee must be sent through the Public School Inspector.

18. Applications from candidates outside of the Province of Ontario for the June examination must be sent to the Registrar of the University not later than the first day of May.

### Senior Matriculation.

19. The examinations for Senior Matriculation shall be held in May and September at the University of Toronto, and in June at the Uni-



versity of Toronto and such other centres as may be determined upon by the standing committee on examinations.

20. All candidates for Senior Matriculation in the general course shall take the following subjects:—English, Latin, any two of the following languages, viz., Greek, French, German, Hebrew; Ancient History, Mathematics, Physics or Biology. Honour candidates for Senior Matriculation shall be subject to the same regulations as undergraduates of the First year.

21. Candidates who have passed the Senior Matriculation examination are subject to the same conditions regarding transference from the general course to an honour course or *vice versa* as undergraduates who have completed their First year.

22. Candidates who present themselves in May will be examined in the papers of the First year examination, and the number and the standard of the examination papers and the regulations respecting the subjects of examination at the June examination shall be the same in each department as for the First year examination. The percentage for pass at each of the examinations shall be one-third of the maximum of marks assigned to each subject. The percentage required for honours shall be the same in each department in May and June as for the ordinary First year examination.

23. Candidates for this examination shall make application to the Registrar of the University not later than the fifteenth day of March for the May examination, and the fifteenth day of May for the June examination. Candidates for the June Senior Matriculation, residing outside the Province of Ontario, shall make application to the Registrar of the University not later than the first day of May.

24. Applications for a local examination shall be made to the Registrar of the University by the authorities of a school or college, not later than the first day of May in each year.

25. The presiding examiner or examiners at each centre shall be appointed by the Senate, and of these examiners, as many as may be found necessary, shall be appointed to read the dictation papers in French and German.

26. The fee for the presiding examiner at a centre shall be \$4.00 a day, and this fee and such other expense as may be incurred in connection with the local examination shall be paid to the persons concerned by the authorities of the school or college on whose application the examination is held.

### Matriculation Equivalent Examinations.

27. Certificates of having passed Second or First Class; Junior or Senior Leaving; or Forms II., III. or IV. examinations of the Education Department of Ontario will be accepted *pro tanto* for subjects of the general course at any Junior Matriculation examination.

28. First Class, Senior Leaving, Form IV. Certificates, or a statement from the Education Department that the candidate has obtained in any subject or subjects, required by such certificate, not less than the percentage, for the time being, set by the Senate as that required for pass standing in the Faculty of Arts may be accepted *pro tanto* for such subject or subjects of the general course at the Senior Matriculation and First year's examinations. Candidates presenting such certificates shall not be exempt from the examination in ancient history prescribed for the First year in the general course.

29. Candidates presenting First Class, Senior Leaving or Form IV. Certificates, covering the work of the First year or Senior Matriculation, lacking one or two subjects, may be admitted to standing in the general course of the Second year starred in such subject or subjects.

30. The standing of candidates for the whole or part of the examination for a higher grade of certificate than Senior Leaving shall be determined in each case by the Senate.

31. The examinations of the School of Practical Science in mathematics, physics, chemistry, mineralogy and geology, may be accepted *pro tanto*.

32. Candidates presenting *pro tanto* certificates must attempt to pass at one time in all the subjects necessary to complete the entire examination and are eligible for scholarships and relative standing. Candidates for Junior Matriculation honours and scholarships, may present *pro tanto* certificates for part I. only.

### Admission "ad Eundem Statum."

33. An undergraduate in the Faculty of Arts in another University may be admitted *ad eundem statum* on such conditions as the Senate may prescribe.

34. If such applicant be admitted to a lower standing in this University than he held in his own University, he may not compete for scholarships at the next ensuing examination; but if he obtain honours, he shall, at the next succeeding examination, enjoy the same rights and privileges with respect to obligatory subjects as an original undergraduate of this University who has passed an examination of the same merit.

35. The local examinations for students, conducted by the University of Cambridge, are accepted *pro tanto* for Junior Matriculation.

### Supplemental Matriculation Examinations.

36. Supplemental examinations for Junior and Senior Matriculation will be held at the University about the middle of September, at which those who were rejected at previous examinations, as well as new candidates, may present themselves; but no honours or scholarships will be awarded at such examinations. The number and the standard of the

examination papers, the regulations respecting the subjects of examination, and the percentage required for Pass, shall in each case be the same as at the ordinary examinations. Applications therefor must be sent to the Registrar of the University not later than September 1st.

### Matriculation Fees.

37. The fees payable are as follows:—

|  |         |
|--|---------|
| For Junior Matriculation .....   | \$ 5 00 |
| For Supplemental Examination in Junior Matriculation subjects in which the Candidate has failed, \$2.00 for each subject; total fee not to exceed..... | 5 00    |
| For Senior Matriculation .....   | 15 00   |
| For Senior Matriculation on <i>pro tanto</i> certificate.....  | 15 00   |
| For <i>ad eundem statum</i> .....  | 10 00   |

The fee must be paid to the Bursar at the time of application for examination.

### Regulations Relating to All Undergraduates.

38. An undergraduate is a student (1) who has passed the Junior or Senior Matriculation examination of this University, or (2) who has passed the Junior Matriculation scholarship examination of this University, or (3) who has registered the certificates of having passed the Matriculation examination conducted by this University and the Education Department of Ontario, or (4) who has been admitted *ad eundem statum* from some other University.

39. Undergraduates proceeding to the degree of Bachelor of Arts must be enrolled either in University College or in Victoria University. They must also attend lectures on all the subjects of their course of study for the year, unless for sufficient reasons the University Council, on recommendation of the College in which they are enrolled, grants them a dispensation from lectures for the whole or part of the session, but such dispensation shall not exempt them from prescribed term work. The fee for such dispensation shall be five dollars, and is additional to the enrolment fee. All applications for such dispensation for the Michaelmas term must be lodged with the Registrar before October 1st, and for the Easter term before January 1st.

40. Undergraduates who are repeating the year without attendance on lectures are required to apply for dispensation, but are not required to pay the dispensation fee.

41. In case a student who has won a scholarship at matriculation applies for dispensation from attendance for one or more of the years during which he is entitled to exemption from tuition fees, he shall be exempt from the usual fee for dispensation in lieu of tuition fees.

42. Every undergraduate must, before being admitted to any examination subsequent to that by which he enters the University, produce a certificate from the head of the College in which he is enrolled, to the effect that he has complied with all the requirements of that College affecting his admission to such examination, and no candidate shall be admitted to standing at any examination who has been reported by his College Council to have violated its regulations.

43. Notice of the time of commencement of the undergraduate examinations will be given annually in January.

44. Candidates in all the years are required to send to the Registrar of the University, at least six weeks before the commencement of each examination, an application for examination according to a printed form to be obtained from the Registrar. The fee for examination, and in the case of candidates for degrees, that for the degree, must be paid not later than April 15th.

### Regulations Relating to the General Course.

45. An undergraduate is entitled to the degree of Bachelor of Arts if in each year of his course he passes the examinations in the prescribed work of the general course.

46. Candidates in the general course in Arts must obtain at the annual examinations a minimum average of sixty-six per cent. in order to be placed in the first class in general proficiency, and a minimum average of fifty per cent. in order to be placed in the second class. The candidates in these two classes shall be ranked in order of merit. All candidates failing to obtain fifty per cent. in each subject but obtaining not less than thirty-three per cent., shall be ranked as pass candidates. The names of candidates in the general course in Arts who avail themselves of the theological options shall be placed in a list separate from those who have not availed themselves of this privilege.

47. Candidates in the general course in Arts shall be arranged alphabetically in each subject in the annual class lists in three grades, A, B, and C; the minimum for grade A shall be sixty-six per cent. of the marks, and for grade B, fifty per cent.; all who pass with less than fifty per cent., but not less than thirty-three per cent., shall be placed in grade C.

48. A candidate who fails to obtain honours in the honour course may receive standing in the general course in those subjects to which the Senate, on the recommendation of the Board of Examiners, may consider him entitled.

49. In the general course a candidate who passes in at least one-half of the subjects of his year will receive credit at the May or September examinations for the subjects of his academic year in which he passes. A candidate who at the close of the September examinations has not more than two subjects still to pass may proceed with the work of the next higher year, and may take the subjects in which he has not yet



passed at a subsequent examination. These subjects may be among the obligatory subjects of the year, or they may be subjects attempted at a previous examination or examinations. Honour candidates may be starred in two subjects. General proficiency candidates in Arts may be starred in one, but not in more than one subject of the general course on like conditions.

50. Honour candidates who have failed in one subject under the above regulation, and who in consequence have been starred in that subject, may repeat in May the whole examination at which they were starred, but such candidates shall not be eligible for scholarships. And, similarly, general course candidates who have been starred, may repeat the whole examination either in September or in May. All candidates who do not exercise this option may present themselves for examination in the subjects in which they have been starred, either in September or in May, but on so presenting themselves, they shall be entitled to examination in those subjects only in which they have been starred. Honour candidates who are starred in two subjects shall be awarded no class standing until they have passed in both of the subjects in which they have been starred. A supplemental examination will be held annually, in January, for those candidates only who have been starred. The fee for this examination is fifteen dollars.

51. Candidates of the Fourth year who have been starred in one or two subjects, but who have not succeeded in writing off these subjects at some previous examination, may be allowed to take this work at a special examination to be held in the latter part of April, or at the time of the annual examinations in May. Candidates taking advantage of this provision shall pay an additional fee of ten dollars. But in the case of English and Latin of the Third and Fourth years, a candidate shall not be considered to have written off his star, unless the Third year examination which he passes covers a different prescription of texts from that covered by his Fourth year examination.

52. When a candidate at an examination is starred in a subject which is one of two or more subjects between which an option exists at the said examination, the candidate at his supplemental examination may present himself in any one of such alternative subjects.

53. A candidate who at the close of the September examination has fully completed the work of any year in the general or honour course may, on the recommendation of the Board of Examiners, including the instructors concerned, be granted a transfer from the general course to the honour course, or from the honour course to the general course, or from one department of the honour course to another.

54. A student in the general course who wishes to take honours in a department may be allowed to repeat his year, taking the work of the honour department only if he so desires, and on passing with honours he shall be allowed to proceed in that department.

55. Undergraduates of any year, who have been rejected, or who have by sickness, domestic affliction, or other causes beyond their control been prevented from attending the annual examinations in May, may present themselves for examination in September; but candidates who have failed to attend at the May examinations, must prove to the satisfaction of the Vice Chancellor, before presenting themselves in September, the existence and sufficiency of the alleged cause of absence, and all such cases shall be subsequently reported to the Senate.

56. Undergraduates in the general course in the Third and Fourth years may, in lieu of one or more of the subjects prescribed for each of these years, take certain of the following subjects, namely, Biblical Greek, Biblical Literature, Apologetics, Church History, and Christian Ethics, according to the following schedule:—

THIRD YEAR....Biblical Greek *for* Classical Greek; Church History *or* Biblical Literature *for* Modern History; Apologetics *for* Physics.

FOURTH YEAR....Biblical Greek *for* Classical Greek; Biblical Literature *or* Church History *for* Modern History; Christian Ethics *or* Apologetics *for* History of Philosophy.

NOTE.—Candidates are allowed two of the three options in the Third, and all three in the Fourth year.

57. Undergraduates who exercise the theological options must present to the College in which they are enrolled certificates of having attended lectures (unless granted dispensation by the University) and of having passed examinations in the subjects so selected at an affiliated or federated College or University other than University College. These examinations must be taken in the same year as the corresponding University examinations, and be subject to the same regulations as to standard.

### Term Work.

58. In the general course, reports on term work on the subjects of each year shall be made for every registered student proceeding to a degree.

59. In the honour course, reports on term work shall be made as specified in the respective curricula of the various subjects and departments.

60. The marks for term work on a subject shall be determined in the manner considered most suitable by the teaching staff in that subject.

61. The marks for term work shall be returned in percentages to the Registrar on or before May 1st in each year, and the examiners and consulting professors in each subject shall take account of them in determining the standing of candidates at the annual examinations.

62. The ratio of term work marks to examination marks in a subject shall be determined by the examiners and consulting professors in that subject.

63. No candidate shall be granted pass standing in a subject of the general course unless he obtains at least 33 per cent. of the annual examination marks as well as 33 per cent. of the aggregate of the term work and annual examination marks in that subject.

64. No candidate shall be granted honours in a subject or department of the honour course where term work is taken into account unless he obtains at least 50 per cent. of the annual examination marks as well as 50 per cent. of the aggregate of the term work and examination marks in that subject or department.

65. No candidate who has been granted dispensation from attendance on lectures shall be exempt from the term work prescribed in individual subjects or departments.

### Regulations Relating to the Honour Course.

66. In this course there are twelve Honour departments, viz.:—I., Classics; II., Modern Languages; III., English and History; IV., Oriental Languages; V., History; VI., Political Science; VII., Philosophy; VIII., Mathematics and Physics; IX., Natural Science; X., Chemistry and Mineralogy; XI., Physics and Chemistry; XII., Biological and Physical Science.

67. Candidates shall not have the right to claim examination in more than two honour departments after the First year.

68. An undergraduate is entitled to the degree of Bachelor of Arts, if in each year of his course he passes the examinations in the prescribed work of one of these departments, and also the subjects of the general course prescribed in connection therewith, at the respective times mentioned in the schedule at the head of each department.

69. In the annual class lists, the names of candidates who obtain honours in any department or subject shall be arranged in order of merit in three classes, those obtaining seventy-five per cent. and over of the total number of marks being placed in the first class, those obtaining sixty-six per cent. and less than seventy-five per cent. being placed in the second class, and those obtaining fifty per cent. and less than sixty-six per cent. being placed in the third class.

70. A candidate pursuing a course in an honour department who falls below the third class in his department, shall not be allowed standing of the following year. But in the departments of Classics, Modern Languages, English and History, History, Political Science, Philosophy, Chemistry and Mineralogy, Physics and Chemistry, Natural Science, Biological and Physical Science, and Natural and Physical Science, candidates whose average is not less than third class, but who have fallen below third class in any one subject, may, on the recommendation of the examiners, be allowed to proceed as honour candidates in the following year.

71. A candidate who competes for honours at the examination for Bachelor of Arts, and fails to obtain the requisite number of marks to entitle him to be classed in honours, may, on the recommendation of the examiners, be awarded a degree without honours; it being at the option of the candidate to accept the award of such degree, or to wait until a subsequent examination, and again compete for a degree in honours.

72. Candidates in the honour subjects of Physics, Chemistry, Biology, Mineralogy and Geology and Psychology will be ranked in the class lists on practical work done in the laboratories of the respective departments during the session; and no candidate will be allowed to proceed to examination in any of these honour subjects unless he presents to the Registrar a certificate from the professor that he has attained honour standing in the practical work of that subject.

73. In the departments of Philosophy, Mathematics and Physics, Physics and Chemistry, Chemistry and Mineralogy, Natural Science, Biological and Physical Science, and Natural and Physical Sciences, each candidate for honours must attend all examinations in the practical work of the year in which he presents himself for the University examination.

74. Undergraduates in the honour department of Philosophy may, in the Third year, substitute for Modern History and Economics any two of the three following subjects, viz.:—Church History, Apologetics, Biblical Literature. Undergraduates in the honour department of Oriental Languages may, in the Third and Fourth years, substitute Biblical Greek for Classical Greek. Candidates exercising these options must present certificates of having attended lectures and passed examinations in the subjects so selected at an affiliated or federated College or University other than University College. These examinations must be taken in the same year as the corresponding University examinations, and be subject to the same regulations as to standard. These examinations do not count for honours.

75. In the honour department of Philosophy two distinct examinations are held upon the two systems of Philosophy taught in the federated Arts Colleges.

## Degree of Master of Arts.

### OLD REGULATIONS.

76. Candidates for the degree of Master of Arts must have been admitted to the degree of Bachelor of Arts, must be of the standing of one year from admission to the degree of Bachelor of Arts, and must have sent in an approved thesis upon some subject in one of the departments in the Faculty of Arts. The thesis must be sent to the Registrar not later than May 1st.



## NEW REGULATIONS.

77. A candidate must be of at least one year's standing as Bachelor of Arts in this University.

78. A candidate who has obtained honours on graduation may, on subsequently passing the final honour examination for Bachelor of Arts in any other department than that in which he obtained honours on graduation, be granted the degree of Master of Arts with honours.

79. A candidate who has obtained first class honours in two graduating departments at the examination for Bachelor of Arts may, without further examination be granted the degree of Master of Arts with honours.

80. A candidate who has been placed in class I. or II. in general proficiency in the Fourth year examination for Bachelor of Arts may, on subsequently passing the final honour examination for Bachelor of Arts in any department, be granted the degree of Master of Arts with honours.

81. A candidate who has obtained honours at the examination for Bachelor of Arts or who has obtained at graduation standing in class I. or II. in general proficiency may receive the degree of Master of Arts on presenting a thesis adjudged to be of sufficient merit, containing the results of some special study or investigation on any subject approved by the professors and heads of that department or those departments in the University, University College and Victoria College, in which the subject of the thesis lies. The candidate may be required to undergo a written or oral examination on the subject of the thesis conducted by the professors and heads of the departments concerned; such written or oral examination to be held during the annual examinations in May. If the thesis and the examination, where the latter is required, give evidence of more than ordinary merit, the examining professors and heads may so report, and the candidate may receive the degree of Master of Arts with honours.

82. A candidate who at the final examination for Bachelor of Arts passed but failed to obtain standing in class I. or II. of general proficiency, or honours in a department, or who prior to the first day of June, 1896, obtained a pass standing at the examination for Bachelor of Arts, may receive the degree of Master of Arts on presenting a thesis adjudged to be of sufficient merit containing the results of some special study or investigation conducted on any subject approved by the professors and heads of the department or departments in the University, University College or Victoria College, in which the subject of the thesis lies. The candidate shall be required to undergo a written or oral examination on the subject of the thesis conducted by the professors and heads of the departments concerned; such written or oral examinations to be held during the annual examinations.

83. Notice of the subject which the candidate proposes to take for his thesis must be given at least seven months before the candidate presents himself for examination and the thesis must be presented on or before the first day of April.

84. The copy of the thesis presented by the candidate for the degree of Master of Arts must be either printed or typewritten, unless the examining professors and heads deem this unnecessary.

85. Candidates who are admitted to the degree of Doctor of Philosophy in this University may on the payment of the fees for the degree of Master of Arts be admitted to that degree without further examination.

86. The regulations in force for the degree of Master of Arts previous to the passing of this statute shall continue in force till the fifteenth of June, 1905, but candidates may avail themselves of the provisions of this statute after June, 1903.

### Degree of Doctor of Philosophy.

87. A candidate for the degree of Doctor of Philosophy must have been admitted to a degree in Arts in the University of Toronto, must have pursued for at least two years the study of a major subject, must pass examinations on two minor subjects equivalent to first class honour standing for the B.A. degree, and must present an approved thesis embodying the results of an original investigation. For details, see p. 155.

### Admission "ad Eundem Gradum."

88. A graduate in the Faculty of Arts in any University in Great Britain or Ireland (if his degree be not an honorary one) may be admitted to the same degree in the University of Toronto.

## JUNIOR MATRICULATION.

### GENERAL COURSE.

#### Latin.

Translation into Latin of English phrases and easy sentences to illustrate Latin accidence and the common rules of Latin syntax.

Translation into Latin of easy narrative English based upon the first twenty-five chapters of the prescribed *Cæsar*.

Translation at sight (with the aid of vocabularies) from some easy prose author.

Translation from prescribed texts, with grammatical and other questions naturally arising from the extracts set for translation.

The following are the texts prescribed:—

1904, 1905 and 1906: CORNELIUS NEPOS, *Lives of Themistocles and Aristides*; CÆSAR, *Bellum Gallicum*, Bk. IV. (omitting Chap. 17), and Bk. V., Chaps. 1-23; VIRGIL, *Æneid*, Bk. II. (1-505).

Two papers will be set: (1) Translation of English into Latin. (2) Prescribed texts and translation at sight, with questions on grammar, etc.

N.B.—The Roman method of pronouncing Latin is recommended.

#### English.

GRAMMAR: The main facts in the development of the language. Etymology and syntax, including the logical structure of the sentence and the inflection, classification and elementary analysis of words.

One examination paper.

COMPOSITION: An essay, to which special importance will be attached, on one of several themes set by the examiners. In order to pass in this subject, legible writing, correct spelling and punctuation, and proper construction of sentences are indispensable. The candidate should also give attention to the structure of the whole essay, the effective ordering of the thought, and the accurate employment of a good English vocabulary. About two pages of foolscap is suggested as the proper length for the essay; but quality, not quantity, will be mainly regarded.

One examination paper.

**LITERATURE:** Such questions only shall be set as may serve to test the candidate's familiarity with, and intelligent and appreciative comprehension of, the prescribed texts. The candidate will be expected to have memorized some of the finest passages. In addition to the questions on the prescribed selections, others shall be set on a "sight passage" to test the candidate's ability to interpret literature for himself.

One examination paper.

1904: TENNYSON, *The Lady of Shalott*, *The Lotus Eaters*, *Enone*, *The Epic and Morte d'Arthur*, *Ulysses*, "You ask me, why," "Of old sat Freedom," "Love thou thy land," *St. Agnes' Eve*, "Break, break, break," *Sir Galahad*, "Tears, idle tears," and the six interlude songs from *The Princess*, *The Brook*, *Ode on the Duke of Wellington*, *Charge of the Light Brigade*.

SHAKESPEARE, *Julius Cæsar*.

1905: LONGFELLOW, *Evangeline*, *The Day is Done*, *The Old Clock on the Stairs*, *The Fire of Driftwood*, *Resignation*, *The Warden of the Cinque Ports*, *The Bridge*, *a Gleam of Sunshine*.

WORDSWORTH, "Three years she grew in sun and shade," "She was a Phantom of delight," "There is a Flower, the lesser Celandine," *To a Skylark*, ("Ethereal minstrel! pilgrim of the sky!"), *The Green Linnet*, *To the Cuckoo*, "With little here to do or see."

SHAKESPEARE, *Macbeth*.

1906: COLERIDGE, *The Ancient Mariner*.

WORDSWORTH, *Michael*, *Influence of Natural Objects*, *Nutting*, *Expostulation and Reply*, *The Tables Turned*, *The Solitary Reaper*, *Ode to Duty*, *Elegiac Stanzas*, *To the Rev. Dr. Wordsworth*, "She was a Phantom of delight," *To the Cuckoo*, *The Green Linnet*, "Bright Flower! whose home," *To a Skylark*, ("Ethereal minstrel! pilgrim of the sky!"), *Reverie of Poor Susan*, *To my Sister*, "Three years she grew in sun and shade," September 1819, *Upon the same Occasion*.

The following twelve sonnets: "Two Voices are there," "Scorn not the Sonnet," "A flock of sheep that leisurely," "Earth hath not anything," "It is not to be thought of," "Fair Star of evening," "O Friend! I know not," "Milton! thou shouldst," "When I have borne in memory," "Brook! whose society," "Tax not the royal Saint," "They dreamt not of a perishable home."

SHAKESPEARE, *Merchant of Venice*.

### Greek.

Translation into English of passages from prescribed texts.

Translation at sight (with the aid of vocabularies) of easy Attic prose, to which special importance will be attached.

Grammatical questions on the passages from prescribed texts will be set, and such other questions as arise naturally from the context.



Translation from English into Greek of sentences and of easy narrative passages based upon the prescribed prose text.

The following are the prescribed texts:—

1904 and 1905: Selections from XENOPHON, *Anabasis I.*, in White's *Beginner's Greek Book* (pp. 304-428), with the exercises thereon; HOMER, *Iliad I.*

1906: Selections from XENOPHON, *Anabasis I.*, in White's *Beginner's Greek Book* (pp. 304-428), with the exercises thereon; HOMER, *Iliad VI.*

Two papers will be set: (1) Prescribed texts and translation at sight; questions on grammar; (2) the translation of English into Greek.

### French.

The candidate's knowledge of French will be tested by: (1) simple questions on grammar; (2) the translation of simple passages from English into French; (3) translation at sight of easy passages from modern French, and (4) an examination on the following texts:—

1904: LAMENNAIS, *Paroles d'un croyant*, Chaps. VII and XVII; PERRAULT, *le Maître Chat ou le Chat Botté*; DUMAS, *Un nez gelé*, and *la Pipe de Jean Bart*; ALPHONSE DAUDET, *la Dernière classe*, and *la Chèvre de M. Seguin*; LEGOUVÉ, *la Patte de dindon*; POUVILLON, *Hortibus*; LOTI, *Chagrin d'un vieux forçat*; MOLIERE, *l'Avare*, Acte III. sc. 5 (*Est-ce à votre cocher... sous la mienne*); VICTOR HUGO, *Waterloo*, Chap. IX.; ROUGET DE L'ISLE, *la Marseillaise*; ARNAULT, *la Feuille*; CHATEAUBRIAND, *l'Exilé*; THÉOPILE GAUTIER, *la Chimère*; VICTOR HUGO, *Extase*; LAMARTINE, *l'Automne*; DE MUSSET, *Tristesse*; SULLY PRUDHOMME, *le Vase brisé*; LA FONTAINE, *le Chêne et le Roseau*.

DAUDET, *la Belle Nivernaise*.

1905: LAMENNAIS, *Paroles d'un croyant*, Chaps. VII. and XVII; PERRAULT, *le Maître Chat ou le Chat Botté*; DUMAS, *Un nez gelé*, and *la Pipe de Jean Bart*; ALPHONSE DAUDET, *la Dernière classe*, and *la Chèvre de M. Seguin*; LEGOUVÉ, *la Patte de dindon*; POUVILLON, *Hortibus*; LOTI, *Chagrin d'un vieux forçat*; MOLIERE, *l'Avare*, Acte III. sc. 5 (*Est-ce à votre cocher... sous la mienne*); VICTOR HUGO, *Waterloo*, Chap. IX.; ROUGET DE L'ISLE, *la Marseillaise*; ARNAULT, *la Feuille*; CHATEAUBRIAND, *l'Exilé*; THÉOPILE GAUTIER, *la Chimère*; VICTOR HUGO, *Extase*; LAMARTINE, *l'Automne*; DE MUSSET, *Tristesse*; SULLY PRUDHOMME, *le Vase brisé*; LA FONTAINE, *le Chêne et le Roseau*.

ERCKMANN-CHATRIAN, *Contes fantastiques*, pp. 3-69, 121-138, ed. by E. S. Joynes (Holt & Co.).

1906: LAMENNAIS, *Paroles d'un croyant*, Chaps. VII and XVII; PERRAULT, *le Maître Chat ou le Chat Botté*; DUMAS, *Un nez gelé*, and *la Pipe de Jean Bart*; ALPHONSE DAUDET, *la Dernière classe*, and *la Chèvre de M. Seguin*; LEGOUVÉ, *la Patte de dindon*; POUVILLON, *Hortibus*; LOTI, *Chagrin d'un vieux forçat*; MOLIERE, *l'Avare*, Acte III. sc. 5 (*Est-ce à*

votre cocher... sous la mienne); VICTOR HUGO, Waterloo, Chap. IX.; ROUGET DE L'ISLE, la Marseillaise; ARNAULT, la Feuille; CHATEAUBRIAND, l'Exilé, THÉOPHILE GAUTIER, la Chimère; VICTOR HUGO, Extase; LAMARTINE, l'Automne; DE MUSSET, Tristesse; SULLY PRUDHOMME, le Vase brisé; LA FONTAINE, le Chêne et le Roseau.

LABICHE, le Voyage de Monsieur Perrichon.

Two papers will be set: (1) Prescribed texts and translation at sight; questions on grammar; (2) the translation of English into French.

### German.

The candidate's knowledge of German will be tested by: (1) simple questions on grammar; (2) the translation of simple passages from English into German; (3) translation at sight of easy passages from modern German, and (4) an examination on the following texts:—

1904 and 1906: GRIMM, Rotkäppchen; ANDERSEN, Wie's der Alte macht, Das neue Kleid, Venedig, Rothschild, Der Bär; ERTL, Himmelschlüssel; FROMMEL, Das eiserne Kreuz; BAUMBACH, Nicotiana, Der Goldbaum; HEINE, Lorelei, Du bist wie eine Blume; UHLAND, Schäfer's Sonntagslied, Das Schloss am Meer; CHAMISSO, Das Schloss Boncourt; CLAUDIUS, Die Sterne, Der Riese Goliath; GOETHE, Mignon, Erbkönig, Der Sänger; SCHILLER, Der Jüngling am Bache.

BAUMBACH, Waldnovellen.

1905: GRIMM, Rotkäppchen; ANDERSEN, Wie's der Alte macht, Das neue Kleid, Venedig, Rothschild, Der Bär; ERTL, Himmelschlüssel; FROMMEL, Das eiserne Kreuz; BAUMBACH, Nicotiana, Der Goldbaum; HEINE, Lorelei, Du bist wie eine Blume; UHLAND, Schäfer's Sonntagslied, Das Schloss am Meer; CHAMISSO, Das Schloss Boncourt; CLAUDIUS, Die Sterne, Der Riese Goliath; GOETHE, Mignon, Erbkönig, Der Sänger; SCHILLER, Der Jüngling am Bache.

LEANDER, Träumereien, pp. 45-90 (selected by Van Daell).

Two papers will be set: (1) Prescribed texts and translation at sight; questions on Grammar; (2) the translation of English into German.

### History.

Great Britain and Canada from 1763 to 1885, with the outlines of the preceding periods of British history.

The geography relating to the history prescribed.

One half examination paper.

General outlines of Greek history to the fall of Corinth.

General outlines of Roman history to the death of Augustus.

The geography relating to the history prescribed.

One-half examination paper.

### Mathematics.

ARITHMETIC: Elementary rules, fractions (vulgar and decimal), interest, discount, and easy problems in stocks.

Special importance will be attached to accuracy and neatness.

One examination paper.

ALGEBRA: Elementary rules; highest common measure; lowest common multiple; fractions; square root; simple equations of one, two and three unknown quantities; indices; surds, quadratics of one and two unknown quantities.

One examination paper.

GEOMETRY, Euclid, Books I., II., and III.; easy deductions.

One examination paper.

### Elementary Experimental Science.

PHYSICS: Use of metre rule; use of calipers and vernier for more accurate metric measurements (*e.g.*, diameters of wires, thickness of glass, plates, etc.); numerical calculations in the metric system.

Use of balance.

Specific gravity, by specific gravity bottle and hydrostatic balance, of liquids and of solids.

Boyle's law; barometer; diffusion of gases.

Use of Fahrenheit and centigrade thermometers; determination of zero and boiling point; boiling point dependent on pressure.

Expansion of solids, liquids and gases; examples.

Specific heat; latent heat; easy numerical examples.

Transmutation of matter; indestructibility of matter.

Solution, precipitation, crystallization and evaporation.

One half examination paper.

CHEMISTRY: Properties of hydrogen, chlorine, oxygen, sulphur, nitrogen, carbon and their most important compounds. Nomenclature. Laws of combination of the elements. The atomic theory and molecular theory.

One half examination paper.

## HONOUR COURSE.

### Greek.

Translation into English of passages from prescribed texts.

Translation at sight of passages of average difficulty, similar to the authors read.

Grammatical questions on the passages from prescribed texts will be set, and such other questions as arise naturally from the context.

Translation into Greek of ordinary narrative passages of English, similar to the authors read.

The following are the prescribed texts:—

1904: XENOPHON, *Anabasis* I. (Chaps. I.-VIII.); HOMER, *Iliad* I., *Odyssey* XIX.; LUCIAN, *Timon*; LYSIAS, *Pro Mantis* and *de Invalido*.

1905: XENOPHON, *Anabasis* I. (Chaps. I.-VIII.); HOMER, *Iliad* I., *Odyssey* XIX.; LUCIAN, *Charon* (Heitland); LYSIAS, *Contra Eratosthenem*.

1906: XENOPHON, *Anabasis* I. (Chaps. I.-VIII.); HOMER, *Iliad* VI., *Odyssey* XXI.; LUCIAN, *Charon*; LYSIAS, *Contra Eratosthenem*.

Two examination papers.

### Latin.

Translation into English of passages from prescribed texts.

Translation at sight of passages of average difficulty, similar in style to the authors read.

Grammatical questions on the passages from prescribed texts will be set, and such other questions as arise naturally from the context.

Translation into Latin of easy passages of English, similar in style to the authors read.

The following are the prescribed texts:—

1904: CORNELIUS NEPOS, *Lives of Themistocles and Aristides*; CÆSAR, *Bellum Gallicum*, Book IV., omitting Chap. 17, and Bk. V., Chaps. 1-23; VIRGIL, *Æneid* II., lines 1-505; HORACE, *Odes* III. and IV.; CICERO, *In Catilinam* I., III., IV.

1905: CORNELIUS NEPOS, *Lives of Themistocles and Aristides*; CÆSAR, *Bellum Gallicum*, Book IV., omitting Chap. 17, and Bk. V., Chaps. 1-23; VIRGIL, *Æneid* II., lines 1-505; HORACE, *Odes* I. and II.; CICERO, *In Catilinam* I., III., IV.



1906: CORNELIUS NEPOS, *Lives of Themistocles and Aristides*; CÆSAR, *Bellum Gallicum*, Book IV., omitting Chap. 17, and Bk. V., Chaps. 1-23; VIRGIL, *Æneid* II., lines 1-505; HORACE, *Odes* I. and II.; CICERO, *Pro Lege Manilia*, *Pro Marcello*, *Philippic XIV.* (Harper's Text).

Two examination papers.

### English.

COMPOSITION: An essay, to which special importance will be attached, on one of several themes set by the examiner.

One examination paper.

LITERATURE: The candidate will be expected to have memorized some of the finest passages. Besides questions to test the candidate's familiarity with, and comprehension of, the following selections, questions may also be set to determine within reasonable limits his power of appreciating literary art.

RHETORIC: Reading of prose authors in connection with the study of rhetoric.

One examination paper.

1904: TENNYSON, *The Lady of Shalott*, *The Lotus Eaters*, *Cenone*, *The Epic and Morte d'Arthur*, *Ulysses*, "You ask me, why," "Of old sat Freedom," "Love thou thy land," *St. Agnes' Eve*, "Break, break, break," *Sir Galahad*, "Tears, idle tears," and the six interlude songs from the *Princess*, *The Brook*, *Ode on the Duke of Wellington*, *Charge of the Light Brigade*.

SHAKESPEARE, *Macbeth*, *Julius Cæsar*.

1905: LONGFELLOW, *Evangeline*, *The Day is Done*, *The Old Clock on the Stairs*, *The Fire of Driftwood*, *Resignation*, *The Warden of the Cinque Ports*, *The Bridge*, *A Gleam of Sunshine*.

WORDSWORTH, "Three years she grew in sun and shade," "She was a Phantom of delight," "There is a Flower, the lesser Celandine," *To a Skylark* ("Ethereal minstrel! pilgrim of the sky!"), *The Green Linnet*, *To the Cuckoo*, "With little here to do or see."

SHAKESPEARE, *Macbeth*, *Richard II.*

1906: COLERIDGE, *The Ancient Mariner*.

WORDSWORTH, *Michael*, *Influence of Natural Objects*, *Nutting*, *Expostulation and Reply*, *The Tables Turned*, *The Solitary Reaper*, *Ode to Duty*, *Elegiac Stanzas*, *To the Rev. Dr. Wordsworth*, "She was a Phantom of delight," *To the Cuckoo*, *The Green Linnet*, "Bright Flower! whose home," *To a Skylark*, ("Ethereal minstrel! pilgrim of the sky!"), *Reverie of Poor Susan*, *To my Sister*, "Three years she grew," September 1819, *Upon the same Occasion*.

The following twelve sonnets:—

"Two Voices are there," "A flock of sheep that leisurely," "Earth hath not anything," "It is not to be thought of," "Fair Star of even-

ing," "O Friend; I know not," "Milton! thou shouldst," "When I have borne in memory," "Brook! whose society," "Scorn not the Sonnet," "Tax not the royal Saint," "They dreamt not of a perishable home."

SHAKESPEARE, Merchant of Venice, Henry V.

### French.

The prescription of work in grammar, the translation of English into French and sight translation is the same for honours as for the general course, but the examination will be of a more advanced character.

The following are the prescribed texts:—

1904: LAMENNAIS, Paroles d'un croyant, Chaps. VII and XVII; PERRAULT, le Maître Chat ou le Chat Botté; DUMAS, Un nez gelé, and la Pipe de Jean Bart; ALPHONSE DAUDET, la Dernière classe, and la Chèvre de M. Seguin; LEGOUVÉ, la Patte de dindon; POUVILLON, Hortibus; LOTI, Chagrin d'un vieux forçat; MOLIERE, l'Avare, Acte III. sc. 5 (Est-ce à votre cocher...sous la mienne); VICTOR HUGO, Waterloo, Chap. IX; ROUGET DE L'ISLE, la Marseillaise; ARNAULT, la Feuille; CHATEAUBRIAND, l'Exilé; THÉOPHILE GAUTIER, la Chimère; VICTOR HUGO, Extase; LAMARTINE, l'Automne; DE MUSSET, Tristesse; SULLY PRUDHOMME, le Vase brisé; LA FONTAINE, le Chêne et le Roseau.

DAUDET, la Belle Nivernaise.

SAINTINE, Picciola, Ed. by A. R. Ropes, University Press (Cambridge).

1905: LAMENNAIS, Paroles d'un croyant, Chaps. VII and XVII; PERRAULT, le Maître Chat ou le Chat Botté; DUMAS, Un nez gelé, and la Pipe de Jean Bart; ALPHONSE DAUDET, la Dernière classe, and la Chèvre de M. Seguin; LEGOUVÉ, la Patte de dindon; POUVILLON, Hortibus; LOTI, Chagrin d'un vieux forçat; MOLIERE, l'Avare, Acte III. sc. 5 (Est-ce à votre cocher...sous la mienne); VICTOR HUGO, Waterloo, Chap. IX; ROUGET DE L'ISLE, la Marseillaise; ARNAULT, la Feuille; CHATEAUBRIAND, l'Exilé; THÉOPHILE GAUTIER, la Chimère; VICTOR HUGO, Extase; LAMARTINE, l'Automne; DE MUSSET, Tristesse; SULLY PRUDHOMME, le Vase brisé; LA FONTAINE, le Chêne et le Roseau.

ERCKMANN-CHATRAIN: Contes fantastiques, pp. 3-69, 121-138, ed. E. S. Joynes (Holt & Co.).

FRANCOIS COPPÉE: Contes Choisis, ed. by Margaret F. Skeat (Macmillan).

1906: LAMENNAIS, Paroles d'un croyant, Chaps. VII and XVII; PERRAULT, le Maître Chat ou le Chat Botté; DUMAS, Un nez gelé, and la Pipe de Jean Bart; ALPHONSE DAUDET, la Dernière classe, and la Chèvre de M. Seguin; LEGOUVÉ, la Patte de dindon; POUVILLON, Hortibus; LOTI, Chagrin d'un vieux forçat; MOLIERE, l'Avare, Acte III. sc. 5 (Est-ce à votre cocher...sous la mienne); VICTOR HUGO, Waterloo, Chap. IX; ROUGET DE L'ISLE, la Marseillaise; ARNAULT, la Feuille; CHATEAUBRIAND, l'Exilé; THÉOPHILE GAUTIER, la Chimère; VICTOR

HUGO, *Extase*; LAMARTINE, *l'Automne*; DE MUSSET, *Tristesse*; SULLY PRUDHOMME, *le Vase brisé*; LA FONTAINE, *le Chêne et le Roseau*.

LABICHE, *le Voyage de Monsieur Perrichon*.

MÉRIMÉE, *Quatre Contes*, ed. by F. C. L. Steenderen (Holt & Co.).

### German.

The prescription of work in grammar, the translation of English into German and sight translation is the same for honours as for the general course, but the examination will be of a more advanced character.

The following are the prescribed texts:—

1904 and 1906: GRIMM, *Rotkäppchen*; ANDERSEN, *Wie's der Alte macht, Das neue Kleid, Venedig, Rothschild, Der Bär*; ERTL, *Himmelsschlüssel*; FROMMEL, *Das eiserne Kreuz*; BAUMBACH, *Nicotiana, Der Goldbaum*; HEINE, *Lorelei, Du bist wie eine Blume*; UHLAND, *Schäfer's Sonntagslied, Das Schloss am Meer*; CHAMISSO, *Das Schloss Boncourt*; CLAUDIUS, *Die Sterne, Der Riese Goliath*; GOETHE, *Mignon, Erbkönig, Der Sänger*; SCHILLER, *Der Jüngling am Bache*.

BAUMBACH, *Waldnovellen*.

EBNER-ESCHENBACH, *Die Freiherren von Gemperlein*.

WILHELMI, *Einer muss heiraten*.

BENEDIX, *Eigensinn*.

1905: GRIMM, *Rotkäppchen*; ANDERSEN, *Wie's der Alte macht, Das neue Kleid, Venedig, Rothschild, Der Bär*; ERTL, *Himmelsschlüssel*; FROMMEL, *Das eiserne Kreuz*; BAUMBACH, *Nicotiana, Der Goldbaum*; HEINE, *Lorelei, Du bist wie eine Blume*; UHLAND, *Schäfer's Sonntagslied, Das Schloss am Meer*; CHAMISSO, *Das Schloss Boncourt*; CLAUDIUS, *Die Sterne, Der Riese Goliath*; GOETHE, *Mignon, Erbkönig, Der Sänger*; SCHILLER, *Der Jüngling am Bache*.

LEANDER, *Träumereien*, pp. 45 to 90 (selected by Van Daell).

BAUMBACH, *Der Schwiegersohn*; ELZ, *Er ist nicht eifersüchtig*; WICHEERT, *Post Festum*.

### History.

English history from the discovery of America to 1763.

General outlines of Greek history to the fall of Corinth.

General outlines of Roman history to the death of Augustus.

The geography relating to the history prescribed.

One examination paper.

### Mathematics.

ALGEBRA: Elementary rules; highest common measure; lowest common multiple; fractions; square root; simple equations of one, two and three unknown quantities; indices; surds, quadratics of one and two unknown quantities; theory of divisors; ratio, proportion and variation;

progressions; notation; permutations and combinations; binominal theorem; interest forms; annuities.

One examination paper.

GEOMETRY: Euclid, Books I., II., III., IV. and VI.; definitions of Book V.; deductions.

One examination paper.

TRIGONOMETRY: Trigonometrical ratios with their relations to each other; sines, etc., of the sum and difference of angles with deduced formulas; use of logarithms; solution of triangles; expressions for the area of triangles; radii of circumscribed, inscribed and escribed circles.

One examination paper.

PROBLEMS.—One paper.

### Physics.

MECHANICS: Measurement of velocity; uniformly accelerated rectilinear motion; metre; units of force, work, energy and power; equilibrium of forces acting at a point; triangle, parallelogram, and polygon of forces; parallel forces; principle of moments; centre of gravity; laws of friction; numerical examples.

HYDROSTATICS: Fluid pressure at a point; pressure on a horizontal plane; pressure on an inclined plane; resultant vertical pressure, and resultant horizontal pressure, when fluid is under air pressure and when not; transmission of pressure; Bramah's press; equilibrium of liquids of unequal density in a bent tube; the barometer; air-pump; water-pump, common and force; siphon.

ELECTRICITY: Voltaic cells, common kinds; chemical action in the cell; magnetic effects of the current; chemical effects of the current; voltmeters; electroplating; astatic and tangent galvanometers; simple notions of potential; Ohm's law; shunts; measurement of resistance; electric light, arc and incandescent; current induction; induction coil; dynamo and motor; the joule and watt; electric bell; telegraph; telephone; elements of terrestrial magnetism.

One examination paper.

### Chemistry.

CHEMICAL THEORY: The study of the following elements, with their most characteristic compounds, in illustration of Medelejeff's classification of the elements; hydrogen; sodium, potassium; magnesium, zinc; calcium, strontium, barium; boron, aluminium; carbon, silicon, tin, lead; nitrogen, phosphorus, arsenic, antimony, bismuth; oxygen, sulphur; fluorine, chlorine, bromine, iodine; manganese, iron. Elementary qualitative analysis.

A practical examination will be held in connection with this subject, a pure salt will be sent out for qualitative analysis, and the candidate shall be allowed the use of an analytical table.

One examination paper.



### Biology.

1. **ELEMENTS OF ZOOLOGY:** Thorough examination of the external form, the gills, and the viscera of some common fish. Study of the prepared skeleton of the same. Demonstration of the arrangement of the muscular and nervous systems and the sense-organs, as far as these can be studied without the aid of the microscope.

Comparison of the structure of the frog with that of the fish. The skeleton of the pectoral and pelvic girdles and of the appendages of the frog, should be studied, and the chief facts in the development of its spawn till the adult form is attained should be observed.

Examination of the external form of a turtle and a snake.

Examination of the structure of a bird.

Study of the skeleton, and also of the teeth of a cat or dog.

Study of the crayfish as a type of the Arthropods.

Comparison of the crayfish with an insect (grasshopper, cricket or cockroach); also with a millipede and a spider.

Examination of an earthworm.

Study of a fresh water mussel.

The principles of zoological nomenclature as illustrated by some of the common fresh water fish, such as the sucker and herring, bass and perch.

Study of an amœba, or paramœcium as a type of unicellular animal.

The modifications of the form of the body in vertebrates in connection with different methods of locomotion. The natural habits of the various animals examined.

2. **ELEMENTS OF BOTANY:** The examination will test whether the candidate has practically studied representatives of the flowering plants of the locality in which the preparatory school is situated, and representatives of the chief subdivisions of cryptogams, such as a fern, a lycopod, a horsetail, a liverwort, a moss, a lichen, a mushroom and a chara.

An elementary knowledge of the microscopic structure of the bean and the maize. Attention will be given in the examination to drawing and description of parts of plants supplied, and to their classification. Comparison of different organs, morphology of root, stem, leaves and hair, parts of the flower, reproduction of flowering plants, pollination, fertilization and the nature of fruit and seeds.

A practical examination will be held in connection with this subject. The material for examination will consist of two plants, a microscopic section and an animal.

Two examination papers.

## UNDERGRADUATE GENERAL COURSE.

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The subjects to be taken by those pursuing the general course, with the options permitted, are set forth in the following schedule:—

FIRST YEAR....English; Latin; any two of the following languages, viz., Greek, French, German, Spanish, Hebrew; Ancient History, Mathematics; Physics *or* Biology.

SECOND YEAR....English; Latin; any two of the following languages, viz., Greek, French, German, Spanish, Hebrew; Mediæval History; Logic; Psychology; Chemistry *or* Geology.

THIRD YEAR....English; Latin; any two of the following languages, viz., Greek, French, German, Spanish, Hebrew; Modern History as for honours; English Constitutional History; Ethics; Physics.

FOURTH YEAR....English; Latin; any two of the following languages, viz., Greek, French, German, Spanish, Hebrew; Modern History as for honours; Economics; Canadian Constitutional History; History of Philosophy; Astronomy.

NOTE.—Students who completed the examination of the First year in Arts with Greek as the optional language, under the curriculum of 1891-1895 will be allowed to take, in the Second, Third and Fourth years, one of the languages:—French, German, Hebrew, as prescribed for students of the First, Second and Third years respectively. Students who have not taken Hebrew in the First year will be allowed to substitute, for one of the language options of the Second, Third and Fourth years, Hebrew of the First, Second and Third years respectively.

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### First Year.

#### English.

SHAKESPEARE.—Critical reading of the following plays:—

1904: Romeo and Juliet, Coriolanus.

1905: Henry IV. Part I., Antony and Cleopatra.

COMPOSITION: The writing of at least four original compositions in connection with the study of models of prose style. There will be no examination on this portion of the work, but the marks assigned for compositions written during the term will count as term work. Pro-

vision will be made by a special paper in English composition for the examination of candidates for Senior Matriculation who are not in attendance, and who have not presented the essays required.

### Greek.

1904: HOMER, *Odyssey*, Books XIX., XX.; LUCIAN, *Timon*; LYSIAS, *Pro Mantitheo* and *De Invalido*.

1905: HOMER, *Odyssey*, Books XIX., XX.; LUCIAN, *Charon*; LYSIAS, *Contra Eratosthenem*.

Greek grammar; translation at sight of easy passages of Greek; translation from English into Greek, involving a knowledge of North and Hillard's Greek Prose Composition (Rivington), pages 1-118 inclusive, but omitting the exercises marked B and those in continuous prose.

### Latin.

Translation at sight of an easy prose author.

Translation into Latin of sentences based upon Fletcher and Henderson's Latin Prose Composition, Ex. 1-40.

Translation into Latin of simple continuous narrative, based on the first twenty-five chapters of the prescribed Cicero.

Questions on grammar and prosody and on the subject-matter of the texts.

1904: HORACE, *Odes* III. and IV.; CICERO, *In Catilinam* I., III., IV.

1905: HORACE, *Odes* I. and II.; CICERO, *In Catilinam* I., III., IV.

### French.

Grammar; dictation; translation from English into French.

Translation at sight from easy modern French prose, and an examination on *Le Tour de la France*, par G. Bruno, pp. 5-110 (French edition).

### German.

Grammar; dictation; translation from English into German.

Translation at sight from easy modern German prose, and an examination on Thomas and Hervey's German Reader, pp. 1 to 79, and 143-164.

### Spanish.

Grammar; dictation; translation from English into Spanish; translation at sight from modern Spanish.

### Hebrew.

Essentials of Hebrew grammar; translation from English into Hebrew; outlines of ancient Semitic history and geography. Translation into English of Genesis I.-IV., XL.-XLI. Deuteronomy IV.-V., with grammatical analysis, parsing and vocabulary.

### Ancient History.

General history of Greece (Botsford's History of Greece).

General history of Rome to A.D. 476 (Pelham's Outlines of Roman History).

### Mathematics.

ALGEBRA: Simple equations of one, two and three unknown quantities; quadratic equations of one and two unknown quantities; elementary treatment of variation, proportion and progressions; interest forms and annuities.

EUCLID: Bks. IV., VI., and definitions of Bk. V.; deductions.

PLANE TRIGONOMETRY: Trigonometrical ratios with their relations to each other; sines, etc., of the sum and difference of angles with deduced formulas; solution of triangles, expressions for the area of triangles; radii of circumscribed, inscribed and escribed circles.

### Physics.

Elementary physics (mechanics, hydrostatics and heat).

### Biology.

Elementary biology.

## Second Year.

### English.

COMPOSITION: The writing of at least four original compositions in connection with the study of models of prose style. \* There will be no examination on this part of the work, but marks assigned for compositions written during the term will count as term work.

1904: TENNYSON, In Memoriam.

1905: MILTON, Il Penseroso, L'Allegro, Lycidas, Comus, Sonnets, Paradise Lost, Book I.

### Greek.

1904 and 1905: EURIPIDES, Hecuba; PLATO, Apology.

Greek grammar; translation at sight of easy passages of Greek; translation from English into Greek, involving a knowledge of North and



Hillard's Greek Prose Composition (Rivington), pages 1-155 inclusive, but omitting the exercises marked A and those in continuous prose.

### Latin.

Translation at sight of an easy prose author.

Translation into Latin of sentences based on Fletcher and Henderson's Latin Prose Composition.

Translation into Latin of simple continuous narrative based on the prescribed Livy.

Questions on grammar and prosody and on the subject-matter of the texts.

LIVY: B. IV. (Prendeville and Freese); CATULLUS (Simpson's Selections).

### French.

Grammar; dictation; translation from English into French.

Translation at sight from modern French prose, and an examination on L'Aide de Camp Marbot, pp. 54-148 (Longmans, Green & Co.).

### German.

Grammar; dictation; translation from English into German.

Translation at sight from modern German, and an examination on German Lyrics and Ballads, ed. Hatfield, pp. 1-48, and Auf der Sonnenseite, ed. Bernhardt.

### Spanish.

Grammar; dictation; translation from English into Spanish; translation at sight from modern Spanish.

### Hebrew.

Hebrew grammar with special attention to syntax; translation at sight; translation of English into Hebrew.

Introduction to Hebrew literature and history.

Exodus I-IV., XX.; Ruth; 1 Samuel, XVII.-XVIII.; 1 Kings V., VIII.; 2 Kings XVI.-XVII.

### History.

The chief movements in European history from A.D. 300 to 1300, including the continuous history of the British Isles.

Essays will be required during the year, and the merits of these essays will be taken into account in determining standing in the class lists.

### Logic.

Formal and inductive.

Essays will be required during the year, and the merits of these essays will be taken into account in determining standing in the class lists.

### Psychology.

Sensation, thought, emotion, volition.

Essays will be required during the year, and the merits of these essays will be taken into account in determining standing in the class lists.

### Chemistry.

Elementary chemistry.

### Geology.

Elementary geology and physical geography.

## Third Year.

### English.

1904: EIGHTEENTH CENTURY LITERATURE.—An outline of the history of literature from Dryden to Burns, with special study of the following works:—DRYDEN, *Absalom and Achitophel*, Pt. I.; BUNYAN, *Grace Abounding*; ADDISON, *Selections in the Golden Treasury*; SWIFT, *Gulliver's Travels*, Bks. I. and II.; POPE, *Rape of the Lock*, *Prologue to the Satires*; THOMSON, *Summer*; JOHNSON, *Vanity of Human Wishes*, *Life of Pope*; GOLDSMITH, *Deserted Village*, *Vicar of Wakefield*; BURKE, *Conciliation with America*; COWPER, *Task* Bk. IV.; and the selections from Dryden, Collins, Gray, and Burns in *Palgrave's Golden Treasury*, and from Cowley, Hyde, Dryden, Steele, Johnson, and Gibbon in *Garnett's English Prose*.

1905: NINETEENTH CENTURY LITERATURE.—An outline of the history of the literature of the period together with special study of the following works:—SCOTT, *Lay of the Last Minstrel*, *Old Mortality*; SHELLEY, *Alastor*, *Adonais*; CARLYLE, *Essays on Burns*, *Biography*, *Johnson*, and *Characteristics*; MACAULAY, *Essays on Boswell's Life of Johnson* and *Memorials of Hampden*; TENNYSON, *The Palace of Art*, *Ænone*, *Morte d'Arthur*, *The Brook*, *Locksley Hall*, *Locksley Hall Sixty Years After*, *Tithonus*, *Freedom*, *The Ancient Sage*, *Rizpah*, *De Profundis*; BROWNING, *Saul*, *Rabbi Ben Ezra*, *Fra Lippo Lippi*, *The Grammarian's Funeral*, *Caliban*, *Up at a Villa*, *Two in the Campagna*, *The Lost Leader*, *Andrea del Sarto*, *James Lee's Wife*; MATTHEW ARNOLD, *The Strayed Reveller*, *Switzerland*, *Thyrsis*, *The Scholar Gipsy*, *Resignation*; and the selections from Scott and Shelley in *Palgrave's Golden Treasury*.

**Greek.**

1904: ARISTOPHANES, *Birds*; THUCYDIDES, *Book IV.* (Chap. 1-41 inclusive), ed. Graves; DEMOSTHENES, *Against Androtion* (Wayte).

1905: SOPHOCLES, *Antigone*; PLATO, *Euthydemus*.

Greek Grammar; translation at sight of easy passages of Greek; translation from English into Greek of sentences and easy prose passages.

**Latin.**

Latin grammar and composition.

Latin translation at sight.

Lectures on Roman literature as follows:—

1904: (a) Roman Satire: HORACE, *Satires*, Bk. I., 4, 6, 10; JUVENAL, *Satire X.*

(b) Didactic Poetry: LUCRETIVS, *De Rerum Natura*, Bk. III., 830 to end of book; VIRGIL, *Georgics*, B. IV. (Sidgwick).

(c) History: TACITUS, *Annals*, Bk. II. (Furneaux).

1905: (a) Pastoral Poetry: VIRGIL, *Eclogues* I., VI., VIII., X. (Sidgwick).

(b) Epic Poetry: VIRGIL, *Æneid*, Bk. IX. (Sidgwick).

(c) Roman Comedy: TERENCE, *Phormio* (Bond and Walpole).

(d) Roman Oratory: CICERO, *Philippic I.*, *Pro Ligario* (Harper's Text).

**French.**

Grammar; dictation; translation from English into French; translation at sight from modern French.

An examination on the following texts:—

BOSSUET, *Oraisons funèbres* (Henriette de France); VOLTAIRE, *Zadig*; BERNARDIN DE SAINT-PIERRE, *Paul et Virginie* (Edition of Henry Holt & Co.); ALPHONSE DAUDET, *le Siège de Berlin et autres Contes* (Jenkins).

**German.**

Grammar; dictation; pronunciation; translation from English into German; translation at sight from modern German.

1904: Outlines of the history of German literature to 1740.

1905: Outlines of the history of German literature, from 1740 to the present time.

An examination on the following texts:—

LESSING, *Minna von Barnhelm*; SCHILLER, *Braut von Messina*; KELLER, *Kleider machen Leute*; HEYSE, *Der verlorene Sohn*.

**Spanish.**

Grammar; translation from English into Spanish; translation at sight from modern Spanish.

An examination on the following texts:—Cervantes, *Don Quijote*, Part I., Chaps. 1-10, Part II., Chaps. 42-45, 47, 49-51 and 53; Valdés, *José*.

**Hebrew.**

Composition and sight translation. General introduction to the prophetic writings.

Amos I., II.; Isaiah, I.-VI., XL.-XLV.; Jeremiah VII.-IX., XXXI.; Ezekiel XIV., XXXIII.; Haggai.

History of Israel to the fall of Samaria.

**Modern History.**

The chief movements in European and American history from 1300 to 1763, including the continuous history of the British Empire, and of European effort in America.

Essays will be required during the year, and the merits of these essays will be taken into account in determining standing in the class lists.

**Constitutional History.**

English constitutional history.

**Ethics.**

Theory of obligation; ethical systems.

Essays will be required during the year, and the merits of these essays will be taken into account in determining standing in the class lists.

**Physics.**

Elementary physics (light).

**Fourth Year.****English.**

1904: NINETEENTH CENTURY LITERATURE.—A general acquaintance with the works of the following writers, together with a special study of the specified selections:—

WORDSWORTH, Michael, *Tintern Abbey*; SCOTT, *Old Mortality*, *Lay of the Last Minstrel*; SHELLEY, *Adonais*; CARLYLE, *Essays on Burns*, *Biography*, *Johnson*, and *Characteristics*; MACAULAY, *Essays on Boswell's Life of Johnson*, and *Memorials of Hampden*; TENNYSON,



Ænone, Locksley Hall, Ulysses, "You ask me why," "Of old sat Freedom," "Love thou thy land," Morte d'Arthur, Northern Farmer—Old Style, The Revenge, The Ancient Sage, Locksley Hall Sixty Years After, Freedom, To Virgil, The Two Greetings; BROWNING, Saul, Fra Lippo Lippi, A Grammarian's Funeral, My Last Duchess, Up at a Villa, Love among the ruins, Two in the Campagna, Andrea del Sarto, Hervé Riel, Abt Vogler, Caliban; and the selections from Wordsworth, Scott, and Shelley in Palgrave's Golden Treasury.

1905: NINETEENTH CENTURY LITERATURE.—An outline of the history of the literature of the period together with special study of the following works:—SCOTT, Lay of the Last Minstrel, Old Mortality; SHELLEY, Alastor, Adonais; CARLYLE, Essays on Burns, Biography, Johnson and Characteristics; MACAULAY, Essays on Boswell's Life of Johnson and Memorials of Hampden; TENNYSON, The Palace of Art, Ænone, Morte d'Arthur, The Brook, Locksley Hall, Locksley Hall Sixty Years After, Tithonus, Freedom, The Ancient Sage, Rizpah, De Profundis; BROWNING, Saul, Rabbi Ben Ezra, Fra Lippo Lippi, The Grammarian's Funeral, Caliban, Up at a Villa, Two in the Campagna, The Lost Leader, Andrea del Sarto, James Lee's Wife; MATTHEW ARNOLD, The Strayed Reveller, Switzerland, Thyrsis, The Scholar Gipsy, Resignation; and the selections from Scott and Shelley in Palgrave's Golden Treasury.

### Greek.

1904: SOPHOCLES, Antigone; PLATO, Laws, XI.

1905: SOPHOCLES, Antigone; PLATO, Euthydemus.

Greek grammar; translation at sight of easy passages of Greek; translation from English into Greek of sentences and easy prose passages.

### Latin.

Latin grammar and composition.

Latin sight translation.

Lectures on Roman literature, as follows:—

1904: (a) Roman Satire: HORACE, Satires, Bk. I., 4, 6, 10; JUVENAL, Satire X.

(b) Didactic Poetry: LUCRETIVS, De Rerum Natura, Bk. III., 830 to end of book; VIRGIL, Georgics, Bk. IV. (Sidgwick).

(c) History: TACITUS, Annals, Bk. II. (Furneaux).

- 1905: (a) Pastoral Poetry: VIRGIL, Eclogues, I., VI., VIII., X. (Sidgwick).  
 (b) Epic Poetry: VIRGIL, *Æneid*, Bk. IX. (Sidgwick).  
 (c) Roman Comedy: TERENCE, *Phormio* (Bond and Walpole).  
 (d) Roman Oratory: CICERO, *Philippic I.*, *Pro Ligario* (Harper's Text).

Candidates of the Fourth year who have not passed in the Latin of the Third year will be required, at the B.A. examination of 1904, to take an additional paper on the Third year work of 1903.

### French.

Grammar; dictation; translation from English into French; translation at sight from modern French.

An examination on the following texts:—

LA FONTAINE, *Fables*, Book I.; RACINE, *Iphigénie*; MOLIÈRE, *les Précieuses Ridicules*; HUGO, *Hernani*; AUGIER, *le Gendre de Monsieur Poirier*; Specimens of modern French verse, pp. 144-177, ed. H. E. Berthon (Macmillan & Co.).

### German.

Grammar; dictation; pronunciation; translation from English into German; translation at sight from modern German; outlines of the history of German literature as follows:—

1904: To 1740.

1905: From 1740.

An examination of the following texts:—

LESSING, *Emilia Galotti*; BÜRGER, *Schiller*, *Balladen* (Golden Treasury Series); GOETHE, *Sesenheim* (Heath & Co.); HEYSE, *Anfang und Ende*.

### Spanish.

Grammar; translation from English into Spanish; translation at sight from modern Spanish.

An examination on the following texts:—LOPE DE VEGA, *La Estrella de Sevilla*; CALDERÓN, *La Vida es Sueño*; Galdés, *Doña Perfecta*.

### Hebrew.

Composition and sight translation. General principles and laws of Hebrew poetry. Introduction to the poetical books.

Psalms I., II., VIII., XIX., XXIII., XXIV., XXIX., XLV., XC., XCIV., CXXI.-CXXVII.; Proverbs I.-IV., VIII., XXV.; Job III.-VII.; Ecclesiastes XII.; Lamentations I.

Grammar of Biblical Aramaic, with selections from the Book of Daniel. History of Israel to the Maccabæan period.

**Modern History.**

The chief movements in European and American history from 1763 to the present time, including (a) the continuous history of the British Empire and the United States, and (b) the philosophy of history.

Essays will be required during the year, and the merits of these essays will be taken into account in determining standing in the class lists.

**Economics.**

The elements of economics.

**Constitutional History.**

Canadian constitutional history.

**History of Philosophy.**

Modern philosophy (Descartes to Kant).

Essays will be required during the year and the merits of these essays will be taken into account in determining standing in the class lists.

**Astronomy.**

The elements of astronomy.

## UNDERGRADUATE HONOUR COURSE.

### DEPARTMENT OF CLASSICS.

*Additional Requirements:*—Candidates in this department are required to take the following subjects of the general course in addition to the work prescribed below:—

FIRST YEAR....English; Mathematics; French or German or Hebrew; Physics or Biology.

SECOND YEAR....History; Psychology and Logic.

#### First Year.

##### Greek.

1904: HOMER, *Odyssey*, XIX., XX., XXI., XXII.; LUCIAN, *Timon*; LYSIAS, *Pro Mantis* and *De Invalido*; HERODOTUS, VII. (121-end).

1905: HOMER, *Odyssey* XXI., XXII.; HERODOTUS, VIII.; EURIPIDES, *Hecuba*; PLATO, *Apology*.

Greek grammar; translation at sight from Greek authors; translation from English into Greek prose; Greek history (Botsford's *History of Greece*).

##### Latin.

1. Grammar, including prosody. 2. Latin prose composition. 3. Sight translation. 4. VIRGIL, *Æneid*, Bks., V., VI., (Sidgwick); HORACE, *Odes* and *Carmen Sæculare*. 5. CICERO, *Pro Murena*, *Pro Milone*, *Philippic II*. 6. Pelham's *Outlines of Roman History*.

The questions in grammar will be largely based on the prescribed authors; (4) and (5) will include questions on the contents, style and literary history of the books.

#### Second Year.

##### Greek.

1904: EURIPIDES, *Hecuba*; PLATO, *Apology*; ARISTOPHANES, *Birds*; SOPHOCLES, *Antigone*; THUCYDIDES, *Book II*.

1905: PLATO, *Euthydemus*; ARISTOPHANES, *Frogs* and *Birds*; SOPHOCLES, *Antigone*; THUCYDIDES, *Book III*.

Greek grammar; translation at sight from Greek authors; translation from English into Greek prose; Greek history to B.C. 421 (GRANT, *Age of Pericles*; GROTE's *Greece*, Part II., Chaps. VI., XI., XXX., XXXI., XLV., XLVI.).



**Latin.**

1. Grammar, including prosody. 2. Latin Prose Composition. 3. Sight translation. 4. LIVY, Bks. VI., VII.; TACITUS, *Annals*, I. (*Fur-neaux*). 5. VIRGIL, *Æneid*, Bks. VII., VIII., IX. (*Sidgwick*); HORACE, *Epistles* and *Ars Poetica*; CATULLUS (*Simpson's Selections*). 6. Roman history to B.C. 266 (*Mommsen*, Bks. I., II., and *Fustel de Coulanges' La Cité Antique*).

In connection with (5) students will read Sellar's *Catullus* in "The Roman Poets of the Republic," and Sellar's *Horace* in "The Roman Poets of the Augustan Age."

**Third Year.****Greek.**

1. PLATO, *Republic*, Books I.-IV. 2. ARISTOTLE, *Ethics*, Books I.-IV., and Book X., Chap. 6 to the end. 3. THUCYDIDES, Book V. 4. PINDAR, *Olympian Odes*, I., II., VI., VII. 5. SOPHOCLES, *Edipus Rex*. 6. ARISTOPHANES, *Birds*. 7. HOMER, *Iliad*, I., VI., XVIII.

Greek grammar and philology (*King and Cookson's Introduction*, omitting syntax); translation at sight from Greek authors; translation from English into Greek prose; Greek history from B.C. 421 to B.C. 362; Grote's *History of Greece*, Chaps. LXVII. and LXVIII.; history of Greek ethics up to Aristotle (*Mayor's History of Ancient Philosophy*).

**Latin.**

1. Grammar and philology (*King & Cookson's Introduction*, omitting syntax). 2. Latin prose composition. 3. Latin sight translation. 4. Roman history from B.C. 266 to B.C. 78 (*Mommsen*, Bks. III., IV.). 5. Roman satire: HORACE, *Satires*; PERSIUS, *Satire I.*; JUVENAL, *Satires I., III., V., VII., VIII., X., XIII.* 6. PLAUTUS, *Captivi*; TERENCE, *Andria*; VIRGIL, *Æneid*, X., XI., XII. (*Sidgwick*). 7. CICERO, *De Finibus*, Bks. I., II. (with outlines of the Stoic and the Epicurean ethics). 8. TACITUS, *Annals*, Bks., I., II., III. (with an introduction to the history of the Roman Principate).

NOTE.—Candidates are recommended to read with (5) Sellar's *Horace*, and Inge's *Society in Rome under the Cæsars*; and with (6) Sellar's *Roman Poets of the Republic*, Chap. VI., VII.

**Fourth Year.****Greek.**

1. Prose composition. 2. Sight translation. 3. ÆSCHYLUS, *Agamemnon*; HOMER, *Iliad*, I., VI., XVIII., XXII.-XXIV; THEOCRITUS, *Idylls*, I., IV., VII., VIII., XIII., XV., XXI. 4. PLATO, *Republic*. 5. THU-

CYDIDES, I., II., III., V., VI., VII.; HERODOTUS, VII., VIII., IX. 6. ARISTOTLE, Ethics, Bk. X., Chap. 6 to end; Politics, II.; Greek history: the questions will be based on the authors read and on the period covered by these authors, and on Grote's History, Part I., Chaps. XV., XVI., XVII., XX., XXI, and on Warde Fowler's City State. 7. History of Greek Philosophy (Roger's Student's History of Philosophy). 8. ARISTOTLE, Poetics, with the history of the Greek genius and Greek poetry, so far as covered by the following books: Butcher's Aspects of Greek Genius (2nd edition), Matthew Arnold's essay On Translating Homer, Butcher's essays in his edition of the Poetics, Jebb's Growth and Influence of Classical Greek Poetry, Moulton's Ancient Classical Drama. 9. ARISTOTLE's Politics, Books IV. and V. (Newman's Edition), with questions on Fustel de Coulanges' *La Cité Antique* and Newman's Introduction to the Politics of Aristotle, Vol. I.; or, Comparative syntax, Greek and Latin (*vide* Latin course below for details).

### Latin.

1. Latin prose composition. 2. Latin sight translation. 3. Roman history from B.C. 78 to A.D. 37 (Mommsen Bk. V.; Merivale, Vols. III., IV., V.). 4. SALLUST, Catiline; CICERO, Epistles (Watson's Selection); TACITUS, Annals, Bks. I.-VI.; Monumentum Ancyranum (Mommsen, second edition). 5. LUCRETIVS, Bks. I., III. V., and VIRGIL, Bucolics, Georgics and Æneid. 6. QUINTILIAN, Bk. X. (with the history of Roman poetry to A.D. 120, with special reference to the influence of Roman upon English literature). 7. CICERO, De Finibus, Bks. III., IV.; Academica Posteriora I. (Reid), with questions on Post-Aristotelian philosophy (ROGER's Student's History of Philosophy). 8. (As an option with Sec. 9 of the Greek course above) Lectures on the descriptive and comparative syntax of the Greek and Latin languages, as follows: (a) the substantive, number, gender and case; (b) the verb, voice, mood and tense; (c) particles and prepositions. Students will use Thompson's Greek Syntax, Goodwin's Greek Moods and Tenses, Gildersleeve's Latin Grammar, Roby's Latin Grammar, Bennett's Appendix.

NOTE.—With (4) candidates are recommended to read Boissier's *L'Opposition sous les Césars* and *La Religion romaine*. With (5) and (6) candidates are recommended to read Sellar's *Roman Poets of the Republic*, Chaps. XI.-XIV.; Sellar's *Virgil*; Myers' *Essay on Virgil*; Tyrrell's *Roman Poetry*; Mackail's *Roman Literature*.

NOTE.—The Education Department of Ontario accepts an honour degree of the University of Toronto obtained in the above course as the non-professional qualification for specialists' standing in the department of Classics.

## DEPARTMENT OF MODERN LANGUAGES.

*Additional Requirements:*—Candidates in this department are required to take the following subjects of the general course in addition to the work prescribed below:—

FIRST YEAR..Latin and one of the following: Mathematics, Physics  
Biology.

SECOND YEAR..Latin and one of the following: Psychology, Chemistry,  
Geology.

THIRD YEAR..Latin Authors, History, and one of the following: Ethics,  
Physics.

FOURTH YEAR..Div. I., History; Div. II., Latin Authors, History.

*Term Work in Honours:*—Every candidate for honours in this department shall, during the Fourth year of his course, write an essay on some subject connected with the work of the department, such subject to be previously approved by the professor of the branch of study selected by the candidate. This essay shall, on or before the 1st of April in each year, be laid before the professors and lecturers in the department of Modern Languages in the University of Toronto, University College and Victoria University, who shall examine the essay and assign marks according to their judgment of its merit. These marks shall be reported to the Registrar, and shall be taken into account by the examiners in determining the standing of the candidate at the examination of the Fourth year.

In determining the standing of candidates in French, German, Italian and Spanish, examiners shall take into account the report of the instructors in the University and Colleges in the above subjects regarding the proficiency of candidates in the practical use of these languages.

*Options in Honours:*—Candidates for honours in this department are allowed options in the various years, according to the following schedule:  
ALL THE YEARS..Italian or Spanish.

SECOND, THIRD AND FOURTH YEARS, Division I. or Division II.

THIRD AND FOURTH YEARS, Division I., French or Italian or Spanish;  
Division II., English or German.

The Education Department of Ontario requires for non-professional specialists' standing in Modern Languages and History, the following course which is accepted by the University of Toronto as qualifying for an honour degree:—

## Honour Course.

FIRST YEAR....All the subjects.

SECOND YEAR....English, German, and Italian (or Spanish) of Division I., and French of Division II.

THIRD YEAR....English and German of Division I., and French of Division II.

FOURTH YEAR....Modern English and German of Division I., and French of Division II.

### General Course.

FIRST YEAR....Latin, Mathematics.

SECOND YEAR....Latin, History, and one of: Chemistry, Geology.

THIRD YEAR....History and one of: Latin Authors, Ethics, Physics.

FOURTH YEAR....History.

The Education Department of Ontario requires for non-professional specialists' standing in French and German, the following course, which is accepted by the University of Toronto as qualifying for an honour degree:—

### Honour Course.

FIRST YEAR....All the subjects.

SECOND, THIRD AND FOURTH YEARS....German and Italian (*or* Spanish) of Division I., and English and French of Division II.

### General Course.

FIRST YEAR....Latin, Mathematics.

SECOND YEAR....Latin, History, and one of: Chemistry, Geology.

THIRD YEAR....History, and one of: Latin Authors, Ethics, Physics.

FOURTH YEAR....History.

These candidates must choose a subject for the Fourth year essay from French or German literature or Philology, and must write the essay in French or German.

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### First Year.

#### Phonetics.

An elementary knowledge of physiological phonetics will be required, and of its bearing upon the sounds of the languages studied.

#### English.

SHAKESPEARE: Critical reading of the following plays:—

1904: *Romeo and Juliet*, *Coriolanus*, *The Tempest*.

1905: *Henry IV.*, Parts I. and II., *Antony and Cleopatra*.

COMPOSITION: The writing of at least four original compositions in connection with the study of models of prose style. There will be no



examination on this portion of the work, but the marks assigned for compositions written during the term will count as one paper at the annual examinations.

PROSE AND RHETORIC: Reading of the following selections in connection with the study of rhetoric:—

1904: Garnett's English Prose, The selections from Scott to Carlyle inclusive, omitting those from Southey and Landor.

1905: Pancoast's Standard English Prose, the selections from Macaulay to Stevenson inclusive.

### German.

Grammar; pronunciation; translation from English into German; translation at sight from modern German.

1904: Outlines of the history of German literature to 1740.

### French.

Grammar; pronunciation; translation from English into French.

Translation at sight from modern French and an examination on G. E. Fasnacht's Select Specimens of the Great French Writers: pp. 289-293; 296-299; 336-344; 352-357; 367-374; 380-385; 386-390; 405-409; 416-421; 430-436; 455-465; 479-481; 485-486; 506-509; 513-516; 525-528; 532-540; 543-547; 554-561; 564-568; 576-581; 583-587 (Macmillan).

### Italian.

Grammar; pronunciation; dictation; translation from English into Italian; translation at sight from modern Italian.

### Spanish.

Grammar; pronunciation; dictation; translation from English into Spanish; translation at sight from modern Spanish.

## Second Year—Division I.

### English.

COMPOSITION: The writing of at least four original compositions in connection with the study of models of prose style. There will be no examination on this part of the work, but marks assigned for compositions written during the term will count as one paper at the annual examinations.

VERSIFICATION: A knowledge of elementary principles, such as is to be found in Gummere's Poetics, Part III.

1904: TENNYSON, In Memoriam; JANE AUSTEN, Pride and Prejudice; SCOTT, Ivanhoe; DICKENS, David Copperfield; THACKERAY, Esmond; GEORGE ELIOT, Silas Marner.

1905: MILTON, *Il Penseroso*; *L'Allegro*, *Lycidas*, *Comus*, *Sonnets*, *Paradise Lost*, Book I.; BYRON, *Childe Harold*, Cantos III. and IV.; and Garnett's *English Prose Selections* from Swift to Gibbon inclusive.

### German.

Grammar; oral term work; translation from English into German; translation at sight, simple narrative composition.

1904: Outlines of the history of German literature to 1740.

An examination on the following texts:—

LESSING, *Emilia Galotti*; BÜRGER, *SCHILLER Balladen* (*Golden Treasury Series*); GOETHE, *Sesenheim* (*Heath & Co.*); HEYSE, *Anfang und Ende*.

### French.

Grammar; dictation; translation from English into French; translation at sight.

History of French literature in the 17th century, and outlines of the preceding periods.

An examination on the following texts:—

CORNEILLE, *Cinna*; RACINE, *Andromaque*; LA FONTAINE, *Fables*, Book III.; LA BRUYÈRE, *Caractères* (*des ouvrages de l'esprit*); BOSSUET, *Oraisons funèbres* (*Louis de Bourbon*); MOLIÈRE, *le Misanthrope*, *le Tartuffe*, *les Femmes savantes*; BOILEAU, *l'Art poétique*, Cantos I. and II.

### Italian.

Grammar; dictation; translation from English into Italian; translation at sight.

### Spanish.

Grammar; dictation; translation from English into Spanish; translation at sight.

## Second Year—Division II.

### French.

Grammar; oral term work; translation from English into French; translation at sight; simple narrative composition.

History of French literature in the 17th century, and outlines of the preceding periods.

An examination on the following texts:—

CORNEILLE, *Cinna*; RACINE, *Andromaque*; LA FONTAINE, *Fables*, Book III.; LA BRUYÈRE, *Caractères* (*des ouvrages de l'esprit*); BOSSUET, *Oraisons funèbres* (*Louis de Bourbon*); MOLIÈRE, *le Misanthrope*, *le Tartuffe*, *les Femmes savantes*; BOILEAU, *l'Art poétique*, Cantos I. and II.

**Italian.**

Grammar; oral term work; translation from English into Italian; translation at sight; composition.

**Spanish.**

Grammar; oral term work; translation from English into Spanish; translation at sight; composition.

**English.**

COMPOSITION: The writing of at least four original compositions in connection with the study of models of prose style. There will be no examination on this part of the work, but marks assigned for compositions written during the term will count as one paper at the annual examinations.

1904: TENNYSON, *In Memoriam*.

1905: MILTON, *L'Allegro*, *Il Penseroso*, *Lycidas*, *Comus*, *Sonnets*, *Paradise Lost*, Book I.

**German.**

Grammar; dictation; translation from English into German; translation at sight.

Outlines of the history of German literature to 1740.

An examination on the following texts:—

LESSING, *Emilia Galotti*; BÜRGER, SCHILLER, *Balladen* (*Golden Treasury Series*); GOETHE, *Sesenheim* (*Heath & Co.*); HEYSE, *Anfang und Ende*.

**Third Year—Division I.****English.**

COMPOSITION: The writing during the term of at least four original essays upon subjects connected with the work in literature. The marks assigned to these essays will be taken into account in determining honour standing.

1904. EIGHTEENTH CENTURY LITERATURE.—An outline of the history of literature from Dryden to Burns, with special study of the following works:—

DRYDEN, *Absalom and Achitophel*, Pt. I.; BUNYAN, *Grace Abounding*; ADDISON, *Selections in the Golden Treasury*; SWIFT, *Gulliver's Travels*, Bks. I. and II.; POPE, *Rape of the Lock*, *Prologue to the Satires*; THOMSON, *Summer*; JOHNSON, *Vanity of Human Wishes*, *Life of Pope*; GOLDSMITH, *Deserted Village*, *Vicar of Wakefield*; BURKE, *Conciliation with America*; COWPER, *Task*, Bk. IV.; and the selections from Dryden, Collins, Gray, and Burns, in *Palgrave's Golden Treasury*, and from Cowley, Hyde, Dryden, Steele, Johnson, and Gibbon, in *Garnett's English Prose*.

OLD ENGLISH: Cook's First Book of Old English (Ginn & Co.).

1905: NINETEENTH CENTURY LITERATURE.—An outline of the history of the literature of the period, together with special study of the following works:—

SCOTT, Lay of the Last Minstrel, Old Mortality; WORDSWORTH, Preface to the Lyrical Ballads; COLERIDGE, Biographia Literaria, Chaps. XIV., XVII.-XIX.; SHELLEY, Alastor, Adonais; CARLYLE, Essays on Burns, Biography, Johnson, and Characteristics; MACAULAY, Essays on Boswell's Life of Johnson, and Memorials of Hampden; TENNYSON, The Palace of Art, Ænone, Morte d'Arthur, The Brook, Locksley Hall, Locksley Hall Sixty Years After, Tithonus, Freedom, The Ancient Sage, Rizpah, De Profundis; BROWNING, Saul, Rabbi Ben Ezra, Fra Lippo Lippi, The Grammarian's Funeral, Caliban, Up at a Villa, Two in the Campagna, The Lost Leader, Andrea del Sarto, James Lee's Wife; MATTHEW ARNOLD, The Strayed Reveller, Switzerland, Thyrsis, The Scholar Gipsy, Resignation; and the selections from Scott and Shelley in Palgrave's Golden Treasury.

OLD ENGLISH: Cook's First Book of Old English (Ginn & Co.).

### German.

Grammar; oral term work; translation at sight; translation from English into German; composition; a general acquaintance with German literature from Gottsched to the death of Schiller. An examination on the following texts:—

WIELAND, Oberon, 8 and 9; LESSING, Prosa (ed. White, II. and V.); BÜRGER, SCHILLER, Balladen (Golden Treasury Series); SCHILLER, Kabale und Liebe, Wilhelm Tell; GOETHE, Poems (ed. Harris, Nos. 1-90, 93, 101, 103, 108, 116, 117, 122, 133); Iphigenie, Hermann und Dorothea.

### French.

Grammar; translation at sight; history of French literature during the 18th century. An examination on the following texts:—

LE SAGE, Turcaret; VOLTAIRE, Zaïre, Zadig; ROUSSEAU, Pages choisies des grands Ecrivains, J. J. Rousseau, par Rocheblave, Parts III. and IV.; MARIVAUX, le Jeu de l'Amour et du Hasard; BEAUMARCHAIS, le Barbier de Séville; ANDRÉ CHÉNIER, Poésies choisies, à l'usage des classes, par Becq de Fouquières, Hymnes et Odes; CHATEAUBRIAND, Atala; MADAME DE STAEL, de l'Allemagne, Part I.

### Italian.

Grammar, translation at sight, DANTE, Vita Nuova; PETRARCA, pp. 233-261 in *Torraca*, Vol. I.; BOCCACCIO, pp. 332-367 in *Torraca*, Vol. I.; COLLODI, *Occhi e Nasi*; Outlines of the history of Italian literature to Ariosto, Garnett.



### Spanish.

Grammar, translation at sight, CERVANTES, *Don Quijote*, Part I.; Chaps. 1-10, Part II., Chaps. 42-45, 47, 49-51, and 53; VALDÉS, José; Outlines of the history of Spanish literature to Cervantes, Fitzmaurice Kelly.

## Third Year—Division II.

### French.

Grammar; composition; oral term work; translation from English into French; translation at sight; Old French grammar; elements of French phonology; history of French literature during the 18th century. An examination on the following texts:—

LE SAGE, *Turcaret*; VOLTAIRE, *Zaïre*, *Zadig*; ROUSSEAU, *Pages choisies des grands Ecrivains*, J. J. Rousseau, par Rocheblave, Parts III. and IV.; MARIVAUX, *le Jeu de l'Amour et du Hasard*; BEAUMARCHAIS, *le Barbier de Séville*; ANDRÉ CHÉNIER, *Poésies choisies*, à l'usage des classes, par Becq de Fouquières, *Hymnes et Odes*; CHATEAUBRIAND, *Atala*; MADAME DE STAEL, *de l'Allemagne*, Part. I.; CHANSON DE ROLAND, lines 1-365 (Clédat's edition).

### Italian.

Grammar; translation from English into Italian; composition; oral term work; translation at sight; DANTE, *Vita Nuova*; PETRARCHA, pp. 233-261 in *Torraca*, Vol. I.; BOCCACCIO, pp. 332-367 in *Torraca*, Vol. I.; COLLODI, *Occhi e Nasì*; history of Italian literature to Boiardo, *Torraca*, Vol. I. (selections).

### Spanish.

Grammar; translation from English into Spanish; composition; oral term work; translation at sight; CERVANTES, *Don Quijote*, Part I., Chaps. 1-10, Part II., Chaps. 42-45, 47, 49-51, and 53; VALDÉS, José; History of Spanish literature to Cervantes, *Manual de Literatura*, Giner de los Ríos, *Primera Parte* (selections).

### English.

COMPOSITION: The writing during the term of at least four original essays upon subjects connected with the work in literature. The marks assigned to these essays will be taken into account in determining honour standing.

1904. EIGHTEENTH CENTURY LITERATURE.—An outline of the history of literature from Dryden to Burns, with special study of the following works:—

DRYDEN, *Absalom and Achitophel*, Pt. I.; BUNYAN, *Grace Abounding*; ADDISON, *Selections in the Golden Treasury*; SWIFT, *Gulliver's Travels*,

Bks. I. and II.; POPE, Rape of the Lock, Prologue to the Satires; THOMSON, Summer; JOHNSON, Vanity of Human Wishes, Life of Pope; GOLDSMITH, Deserted Village, Vicar of Wakefield, Burke, Conciliation with America; COWPER, Task, Bk. IV.; and the selections from Dryden, Collins, Gray, and Burns, in Palgrave's Golden Treasury, and from Cowley, Hyde, Dryden, Steele, Johnson, and Gibbon, in Garnett's English Prose.

1905. NINETEENTH CENTURY LITERATURE.—An outline of the history of the literature of the period together with special study of the following works:—

SCOTT, Lay of the Last Minstrel, Old Mortality; SHELLEY, Alastor, Adonais; CARLYLE, Essays on Burns, Biography, Johnson, and Characteristics; MACAULAY, Essays on Boswell's Life of Johnson, and Memorials of Hampden; TENNYSON, The Palace of Art, Cenone, Morte d'Arthur, The Brook, Locksley Hall, Locksley Hall Sixty Years After, Tithonus, Freedom, The Ancient Sage, Rizpah, De Profundis; BROWNING, Saul, Rabbi Ben Ezra, Fra Lippo Lippi, The Grammarian's Funeral, Caliban, Up at a Villa, Two in the Campagna, The Lost Leader, Andrea del Sarto, James Lee's Wife; MATTHEW ARNOLD, The Strayed Reveller, Switzerland, Thyrsis, The Scholar-Gipsy, Resignation; and the selections from Scott and Shelley in Palgrave's Golden Treasury.

### German.

Grammar; translation at sight; a general acquaintance with German literature from Gottsched to the death of Schiller.

An examination on the following texts:—

WIELAND, Oberon, 8 and 9; BÜRGER, SCHILLER, Balladen (Golden Treasury Series); SCHILLER, Wilhelm Tell; GOETHE, Poems (ed. Harris, Nos. 1-90, 93, 101, 103, 108, 116, 117, 122, 133), Iphigenie, Hermann und Dorothea.

Selected essays (100 pages) from Deutsche Prosa, ed. M. Heuschke.

## Fourth Year—Division I.

### English.

1904: NINETEENTH CENTURY LITERATURE.—A general acquaintance with the works of the following writers, together with a special study of the specified selections:—

WORDSWORTH, Michael, Tintern Abbey; SCOTT, Old Mortality, Lay of the Last Minstrel; SHELLEY, Adonais; CARLYLE, Essays on Burns, Johnson, Biography, Characteristics; MACAULAY, Essay on Boswell's Life of Johnson and Memorials of Hampden; TENNYSON, "You ask me why," "Of old sat Freedom," "Love thou thy land," Cenone, Locksley Hall,

Ulysses, Morte d'Arthur, Northern Farmer—Old Style, The Revenge, The Ancient Sage, Locksley Hall Sixty Years After, Freedom, To Virgil, The Two Greetings; BROWNING, Saul, Fra Lippo Lippi, A Grammarian's Funeral, My Last Duchess, Up at a Villa, Love among the Ruins, Two in the Campagna, Andrea del Sarto, Hervé Riel, Abt Vogler, Caliban; and the selections from Wordsworth, Scott, and Shelley in Palgrave's Golden Treasury.

THE HISTORY OF THE ENGLISH DRAMA from its origin to the death of Shakespeare.

The following works are to be studied critically: SHAKESPEARE, Much Ado About Nothing, Hamlet, Lear, Henry VIII.

The following works are to be read carefully: Creation and Fall, II., Abraham and Isaac, The Second Shepherd's Play, The Four PP., Campaspe, The Spanish Tragedy (all these are contained in Manly's Specimens of the Pre-Shakespearian Drama); MARLOWE, Tamburlaine, Pt. I., Edward II.; BEN JONSON, Every Man in His Humour; SHAKESPEARE, Love's Labour's Lost; King John, Henry IV., Pts. I. and II., Antony and Cleopatra; MILTON, Comus, Samson Agonistes.

OLD ENGLISH: BEOWULF, ll. 1-1250, *to be studied critically* in the original; a general knowledge of the remainder of the poem will be expected, which may be gained from Hall's, Earle's or Garnett's translation. Historical grammar, and Sweet's *Second Middle English Primer*.

1905: NINETEENTH CENTURY LITERATURE.—An outline of the history of the literature of the period together with special study of the following works:—

SCOTT, Lay of the Last Minstrel, Old Mortality; SHELLEY, Alastor, Adonais; CARLYLE, Essays on Burns, Biography, Johnson, and Characteristics; MACAULAY, Essays on Boswell's Life of Johnson, and Memorials of Hampden; TENNYSON, The Palace of Art, Ænone, Morte d'Arthur, The Brook, Locksley Hall, Locksley Hall Sixty Years After, Tithonus, Freedom, The Ancient Sage, Rizpah, De Profundis; BROWNING, Saul, Rabbi Ben Ezra, Fra Lippo Lippi, The Grammarian's Funeral, Caliban, Up at a Villa, Two in the Campagna, The Lost Leader, Andrea del Sarto, James Lee's Wife; MATTHEW ARNOLD, The Strayed Reveller, Switzerland, Thyrsis, The Scholar-Gipsy, Resignation; and the selections from Scott and Shelley in Palgrave's Golden Treasury.

SIXTEENTH AND SEVENTEENTH CENTURY LITERATURE.—An outline of the general characteristics of English Literature from 1558 to 1645 with special study of the following works:—

SPENSER, Faerie Queen, Book II.; SHAKESPEARE, Henry IV., Parts I. and II., Much Ado About Nothing, Antony and Cleopatra, Othello, The Tempest; BACON, Advancement of Learning, Book I., Essays on Adversity, Delays, Friendship, Discourse, Riches, Nature in Man, Youth and Age, Studies; MILTON, L'Allegro, Il Penseroso, Lycidas,

Comus, a general knowledge of *Paradise Lost*, with a special study of Books I-IV.; the selections from Lyly to Clarendon inclusive in Garnett's *English Prose*; and those from Wyatt, Surrey, Sackville, Spenser, Sidney, Watson, Marlowe, Shakespeare, Donne and Elizabethan Miscellanies in Ward's *English Poets*, Vol. I.

OLD ENGLISH: *BEOWULF*, ll. 1-1250, *to be studied critically* in the original; a general knowledge of the remainder of the poem will be expected, which may be gained from Hall's, Earle's, or Garnett's translation. Historical grammar, and Sweet's *Second Middle English Primer*.

### German.

Grammar; oral term work; translation at sight; translation from English into German; composition; a general acquaintance with the German literature of the 19th century.

An examination on the following texts:—

SCHILLER, *Wallenstein's Tod*; KLEIST, *Prinz von Homburg*; HEINE, prose (Clarendon Press): HEBBEL, *Herodes und Mariamne*; FREYTAG, *Aus dem Jahrhundert des grossen Krieges* (ed. Rhoades); FONTANE, *Greta Minde*; *Deutsche Gedichte* (ed. von Klenze), pp. 131-the end, omitting selections from Uhland, Heine and Grün.

Elements of Middle High German grammar; history of Middle High German literature; an examination on the following texts:—

Walther von der Vogelweide (ed. Pfeiffer), *Select Poems*, Nos. 1, 2, 4, 7, 9, 14, 18, 20, 24, 25, 32, 34, 36, 37, 39, 53, 60, 61, 66, 69, 71-75, 77, 81-83, 85, 87, 88, 97, 99-101, 109, 110, 113, 115-117, 127, 128, 134, 137, 148-151, 154, 166, 167, 172, 181, 188.

History of the German language.

### French.

Grammar; translation at sight; history of French literature during the 19th century.

An examination on the following texts:—

LAMARTINE, *Premières Méditations poétiques*, Nos. I.-XV. (Lemerre); HUGO, *Chants du Crépuscule*, I.-XX., *Notre-Dame de Paris*, *Hernani*; BALZAC, *Eugénie Grandet* (Calmann Lévy); AUGIER, *le Gendre de Monsieur Poirier*; ALPHONSE DAUDET, *Tartarin sur les Alpes* (Collection Guillaume, Marpon et Flammarion); SAINTE-BEUVE, *Portraits littéraires*, Vol. II., *Article on Molière*; LECONTE DE LISLE, *Poèmes barbares*, pp. 1-55, 166-217 (Lemerre); MAUPASSANT, *Huit contes choisis* (Heath & Co.).

### Italian.

Grammar; translation at sight; DANTE, *Divina Commedia*, *Inferno*, Cantos 1-10, *Purgatorio*, Cantos, 1-9, *Paradiso*, Cantos, 29-32; ARIOSTO, pp. 17-34 in *Torraca*, Vol. II.; TASSO, pp. 142-157, 171-173, 189-192, in



Torraca, Vol. II.; MANZONI, *I Promessi Sposi*, Chaps. 1-19; outlines of the history of Italian literature from Ariosto to the present time (Garnett).

### Spanish.

Grammar; translation at sight; LOPE DE VEGA, *La Estrella de Sevilla*; CALDERÓN, *La Vida es Sueño*; TIRSO DE MOLINA, *Don Gil de las Calzas verdes*; GALDÓS; *Doña Perfecta*; outlines of the history of Spanish literature from Cervantes to the present time (Fitzmaurice Kelly).

## Fourth Year—Division II.

### French.

Grammar; oral term work; composition; translation from English into French; translation at sight from French authors of any period; history of the French language; history of French literature during the 19th century.

An examination on the following texts:—

LAMARTINE, *Premières Méditations poétiques*, Nos. I.-XV. (Lemerre); HUGO, *Chants du Crépuscule*, I.-XX., *Notre-Dame de Paris*, *Hernani*; BALZAC, *Eugénie Grandet* (Calmann Lévy); AUGIER, *le Gendre de Monsieur Poirier*; ALPHONSE DAUDET, *Tartarin sur les Alpes* (Collection Guillaume, Marpon et Flammarion); SAINTE-BEUVE, *Portraits littéraires*, Vol. II., Article on Molière; LECONTE DE LISLE, *Poèmes barbares*, pp. 1-55, 166-217 (Lemerre); MAUPASSANT, *Huit contes choisis* (Heath & Co.).

### Italian.

Grammar; oral term work; translation at sight from Italian authors of any period; DANTE, *Divina Commedia*, *Inferno*, cantos 1-10, *Purgatorio*, cantos 1-9, *Paradiso*, cantos 29-32; ARIOSTO, pp. 17-34 in Torraca, Vol. II.; TASSO, pp. 142-157, 171-173, and 189-192 in Torraca, Vol. II.; MANZONI, *I Promessi Sposi*, Chaps. 1-19; the history of the Italian language; the history of Italian literature from Boiardo to the present time, Torraca, Vols. II. and III. (selections).

### Spanish.

Grammar; oral term work; translation at sight from Spanish authors of any period; LOPE DE VEGA, *La Estrella de Sevilla*; CALDERÓN, *La Vida es Sueño*; TIRSO DE MOLINO, *Don Gil de las Calzas verdes*; GALDÓS, *Doña Perfecta*; the history of the Spanish language; Gorra, *Lingua e Letteratura spagnuola* (selections); the history of Spanish literature from Cervantes to the present time, *Manual de Literatura*, Giner de los Ríos, *Primera Parte* (selections).

English.

1904: NINETEENTH CENTURY LITERATURE.—A general acquaintance with the character of the following writers, together with a special study of the specified selections:—

WORDSWORTH, Michael, Tintern Abbey; SCOTT, Old Mortality, Lay of the Last Minstrel; SHELLEY, Adonais; CARLYLE, Essays on Burns, Biography, Johnson, and Characteristics; MACAULAY, Essays on Boswell's Life of Johnson, and Memorials of Hampden; TENNYSON, Ænone, Locksley Hall, Ulysses, "You ask me why," "Of old sat freedom," "Love thou thy land," Morte d'Arthur, Northern Farmer—Old Style, The Revenge, The Ancient Sage, Locksley Hall Sixty Years After, Freedom, To Virgil, The Two Greetings; BROWNING, Saul, Fra Lippo Lippi, A Grammarian's Funeral, My Last Duchess, Up at a Villa, Love among the Ruins, Two in the Campagna, Andrea del Sarto, Hervé Riel, Abt Vogler, Caliban; and the selections from Wordsworth, Scott and Shelley in Palgrave's Golden Treasury.

1905: NINETEENTH CENTURY LITERATURE.—An outline of the history of the literature of the period, together with special study of the following works:—

SCOTT, Lay of the Last Minstrel, Old Mortality; SHELLEY, Alastor, Adonais; CARLYLE, Essays on Burns, Biography, Johnson, and Characteristics; MACAULAY, Essays on Boswell's Life of Johnson, and Memorials of Hampden; TENNYSON, The Palace of Art, Ænone, Morte d'Arthur, The Brook, Locksley Hall, Locksley Hall Sixty Years After, Tithonus, Freedom, The Ancient Sage, Rizpah, De Profundis; BROWNING, Saul, Rabbi Ben Ezra, Fra Lippo Lippi, The Grammarian's Funeral, Caliban, Up at a Villa, Two in the Campagna, The Lost Leader, Andrea del Sarto, James Lee's Wife; MATTHEW ARNOLD, The Strayed Reveller, Switzerland, Thyrsis, The Scholar-Gipsy, Resignation; and the selections from Scott and Shelley in Palgrave's Golden Treasury.

German.

Grammar; translation at sight; a general acquaintance with the German literature of the 19th century; an examination on the following texts:—

SCHILLER, Wallenstein's Tod; HEINE, Prose (Clarendon Press); FREYTAG, Aus dem Jahrhundert des grossen Krieges (ed. Rhoades); FONTANE, Greta Minde; Deutsche Gedichte (ed. von Klenze), p. 131 to end, omitting selections from Uhland, Heine and Grün; selected essays (100 pages) from Deutsche Prosa, ed., M. Henschke.

## DEPARTMENT OF ENGLISH AND HISTORY.

*Options in Honours:*—An option in this course is allowed between the work in Greek and Latin and that in French and German as prescribed below.

*Additional Requirements:*—Candidates taking the Classical option in this Department are required to take the following subjects of the general course in addition to the work prescribed below:—

FIRST YEAR....French or German or Italian or Hebrew; Mathematics; Biology or Physics.

SECOND YEAR....The language of the Second year selected in the First year; Psychology.

Candidates taking the Modern Language option in this Department are required to take the following subjects of the general course in addition to the work prescribed below:—

FIRST YEAR....Latin; Mathematics; Biology or Physics.

SECOND YEAR....Latin; Psychology.

## First Year.

## English.

SHAKESPEARE: Critical reading of the following plays:—

1904: *Romeo and Juliet*, *Coriolanus*, *The Tempest*.

1905: *Henry IV.*, Parts I. and II., *Antony and Cleopatra*.

COMPOSITION: The writing of at least four original compositions in connection with the study of models of prose style. There will be no examination on this portion of the work, but the marks assigned for compositions written during the term will count as one paper at the annual examinations.

PROSE AND RHETORIC: Reading of the following selections in connection with the study of rhetoric:—

1904: Garnett's *English Prose*, selections from Scott to Carlyle inclusive, omitting those from Southey and Landor.

1905: *Pancoast's Standard English Prose*, the selections from Macaulay to Stevenson inclusive.

## \* Greek.

1904: HOMER, *Odyssey XIX., XX., XXI., XXII.*; HERODOTUS, *Book VII. (121-end)*.

1905: HOMER, *Odyssey XXI., XXII.*; HERODOTUS, *Book VIII.*

Greek grammar; translation at sight from Greek authors; translation from English into Greek prose.

\* In the Greek and Latin subjects of this course the same examination papers will be set as in the corresponding subjects of the Classical Honour course, and the standard required will be the same.

\* Latin.

1. Grammar (including prosody). 2. Latin prose composition. 3. Sight translation. 4. VIRGIL, *Æneid*, Bks. V., VI. (Sidgwick); HORACE, *Odes* and *Carmen Sæculare*. 5. CICERO, *Pro Murena*, *Pro Milone*, *Philippic II*.

The questions in grammar will be largely based on the prescribed authors; (4) and (5) will include questions on the contents, style and literary history of the books.

French.

Grammar; pronunciation; translation from English into French.

Translation at sight from modern French and an examination on G. E. Fasnacht's *Select Specimens of the Great French Writers*: pp. 289-293; 296-299; 336-344; 352-357; 367-374; 380-385; 386-390; 405-409; 416-421; 430-436; 455-465; 479-481; 485-486; 506-509; 513-516; 525-528; 532-540; 543-547; 554-561; 564-568; 576-581; 583-587 (Macmillan).

German.

Grammar; dictation; pronunciation; translation from English into German; translation at sight from modern German.

Outlines of the history of German literature to 1740.

Ancient History.

Greek history (Botsford's *History of Greece*); Roman history to A.D. 476 (Pelham's *Outlines of Roman History*).

Second Year.

English.

COMPOSITION: The writing of at least four original compositions in connection with the study of models of prose style. There will be no examination on this part of the work, but marks assigned for compositions written during the term will count as one paper at the annual examinations.

VERSIFICATION: A knowledge of elementary principles, such as is to be found in Gummere's *Poetics*, Part III.

1904: TENNYSON, *In Memoriam*; JANE AUSTEN, *Pride and Prejudice*; SCOTT, *Ivanhoe*; DICKENS, *David Copperfield*; THACKERAY, *Esmund*; GEORGE ELIOT, *Silas Marner*.

1905: MILTON, *Il Penseroso*, *L'Allegro*, *Lycidas*, *Comus*, *Sonnets*, *Paradise Lost*, Book I.; BYRON, *Childe Harold*, *Cantos III. and IV.*; and Garnett's *English Prose*, selections from Swift to Gibbon inclusive.

\* In the Greek and Latin subjects of this course the same examination papers will be set as in the corresponding subjects of the Classical Honour course, and the standard required will be the same.



**\* Greek.**

Translation at sight from Greek authors; translation from English into Greek prose.

1904. EURIPIDES, *Hecuba* ; PLATO, *Apology* ; THUCYDIDES, *Book II*.

**\* Latin.**

1. Latin prose composition. 2. Sight translation. 3. VIRGIL, *Æneid*, Bks. VII., VIII., IX. (Sidgwick); HORACE, *Epistles and Ars Poetica*; CATULLUS (Simpson's Selections). 4. LIVY, Bks. VI., VII. Students will read Sellar's *Horace* in "The Roman Poets of the Augustan Age," and Sellar's *Catullus* in "The Roman Poets of the Republic."

**French.**

Grammar; dictation; translation from English into French; translation at sight.

History of French literature in the 17th century, and outlines of the preceding periods.

An examination on the following texts:—

CORNEILLE, *Cinna*; RACINE, *Andromaque*; LA FONTAINE, *Fables*, *Book III.*; LA BRUYÈRE, *Caractères (des ouvrages de l'esprit)*; BOSSUET, *Oraisons funèbres (Louis de Bourbon)*; MOLIÈRE, *le Misanthrope*, *le Tartuffe*, *les Femmes savantes*; BOILEAU, *l'Art poétique*, *Cantos I. and II.*

**German.**

Grammar; dictation; translation from English into German; translation at sight.

Outlines of the history of German literature to 1740.

An examination on the following texts:—

LESSING, *Emilia Galotti*; BÜRGER, SCHILLER, *Balladen (Golden Treasury Series)*; GOETHE, *Sesenheim (Heath & Co.)*; HEYSE, *Anfang und Ende*.

**History.**

The chief movements in European history from 300 A.D. to 1300, including (a) the continuous history of the British Empire, and (b) a special study of the thirteenth century.

Essays will be required during the year on topics connected with the course in history. Marks will be assigned on the basis both of matter and of form by the instructors in English and History and will be taken into account by the examiners in determining honour standing.

\* In the Greek and Latin subjects of this course the same examination papers will be set as in the corresponding subjects of the Classical Honour course, and the standard required will be the same.

## Third Year.

### English.

**COMPOSITION:** The writing during the term of at least four original essays upon subjects connected with the work in literature. The marks assigned to these essays will be taken into account in determining honour standing.

1904: **EIGHTEENTH CENTURY LITERATURE.**—An outline of the history of literature from Dryden to Burns, with special study of the following works:—

DRYDEN, *Absalom and Achitophel*, Pt. I.; BUNYAN, *Grace Abounding*; ADDISON, *Selections in the Golden Treasury*; SWIFT, *Gulliver's Travels*, Bks. I. and II.; POPE, *Rape of the Lock*, *Prologue to the Satires*; THOMSON, *Summer*; JOHNSON, *Vanity of Human Wishes*, *Life of Pope*; GOLDSMITH, *Deserted Village*, *Vicar of Wakefield*; BURKE, *Conciliation with America*; COWPER, *Task*, Bk. IV.; and the *Selections from Dryden*, Collins, Gray, and Burns, in *Palgrave's Golden Treasury*, and from Cowley, Hyde, Dryden, Steele, Johnson, and Gibbon, in *Garnett's English Prose*.

1904: **OLD ENGLISH:** Cook's *First Book of Old English* (Ginn & Co.).

1905: **NINETEENTH CENTURY LITERATURE.**—An outline of the history of the literature of the period, together with special study of the following works:—

SCOTT, *Lay of the Last Minstrel*, *Old Mortality*; WORDSWORTH, *Preface to the Lyrical Ballads*; COLERIDGE, *Biographia Literaria*, Chaps. XIV., XVII.-XIX.; SHELLEY, *Alastor*, *Adonais*; CARLYLE, *Essays on Burns*, *Biography*, *Johnson*, and *Characteristics*; MACAULAY, *Essays on Boswell's Life of Johnson*, and *Memorials of Hampden*; TENNYSON, *The Palace of Art*, *Enone*, *Morte d'Arthur*, *The Brook*, *Locksley Hall*, *Locksley Hall Sixty Years After*, *Tithonus*, *Freedom*, *The Ancient Sage*, *Rizpah*, *De Profundis*; BROWNING, *Saul*, *Rabbi Ben Ezra*, *Fra Lippo Lippi*, *The Grammarian's Funeral*, *Caliban*, *Up at a Villa*, *Two in the Campagna*, *The Lost Leader*, *Andrea del Sarto*, *James Lee's Wife*; MATTHEW ARNOLD, *The Strayed Reveller*, *Switzerland*, *Thyrsis*, *The Scholar-Gipsy*, *Resignation*; and the selections from Scott and Shelley in *Palgrave's Golden Treasury*.

1905: **OLD ENGLISH:** Cook's *First Book of Old English* (Ginn & Co.).

### \* Greek.

1904: ARISTOPHANES, *Birds*; SOPHOCLES, *Oedipus Rex*; PLATO, *Republic*, **Books I-IV.**

**Translation at sight.**

\*In the Greek and Latin subjects of this course the same examination papers will be set as the corresponding subjects of the Classical Honour course, and the standard required will be the same.

### Latin.

Roman history from B.C. 266 to B.C. 78 (Mommsen, Bks. III., IV.); HORACE, Satires, and JUVENAL, Satires, I., III., V., VII., VIII., X., XIII.; PERSIUS, Satire I., with the history of Roman satire; VIRGIL, *Æneid*, Bks. X., XI., XII. (Sidgwick); PLAUTUS, *Captivi*; TERENCE, *Andria*.

Translation at sight.

NOTE.—In connection with the Horace and Juvenal, students will read Sellar's *Horace*, and Inge's *Society in Rome under the Cæsars*.

### French.

Grammar; translation at sight; history of French literature during the 18th century. An examination on the following texts:—

LE SAGE, *Turcaret*; VOLTAIRE, *Zaïre*, *Zadig*; ROUSSEAU, *Pages choisies des grands Ecrivains*, J.-J. Rousseau, par Rocheblave, Parts III. and IV.; MARIVAUX, *le Jeu de l'Amour et du Hasard*; BEAUMARCHAIS, *le Barbier de Séville*; ANDRÉ CHÉNIER, *Poésies choisies*, à l'usage des classes, par Becq de Fouquières, *Hymnes et Odes*; CHATEAUBRIAND, *Atala*; MADAME DE STAEL, *de l'Allemagne*, Part I.; CHANSON DE ROLAND, lines 1-365 (Clédât's edition).

### German.

Grammar; translation at sight; a general acquaintance with German literature from Gottsched to the death of Schiller, with special reference to the following authors and works:—

WIELAND, *Oberon*, 8 and 9; LESSING, *Prosa* (ed. White, II. and V.); BÜRGER, SCHILLER, *Balladen* (Golden Treasury Series); SCHILLER, *Kabale und Liebe*, *Wilhelm Tell*; GOETHE, *Poems* (ed. Harris, Nos. 1-90, 93, 101, 103, 108, 116, 117, 122, 133); *Iphigenie*, *Hermann und Dorothea*.

### History.

The chief movements in European history A.D. 1300-1763, including (a) the continuous history of the British Empire, (b) European effort in America, (c) a special study of the period of the Commonwealth and the Protectorate.

Essays will be required during the term on topics connected with the course in History. Marks will be assigned on the basis both of matter and of form by the instructors in English and History, and will be taken into account by the examiners in determining honour standing.

## Fourth Year.

### English.

1904: NINETEENTH CENTURY LITERATURE.—A general acquaintance with the work of the following writers, together with a special study of the specified selections:—

WORDSWORTH, Michael, Tintern Abbey; SCOTT, Old Mortality, Lay of the Last Minstrel; SHELLEY, Adonais; CARLYLE, Essays on Burns, Johnson, Biography, Characteristics; MACAULAY, Essay on Boswell's Life of Johnson, and Memorials of Hampden; TENNYSON, "You ask me why," "Of old sat Freedom," "Love thou thy land," Ænone, Locksley Hall, Ulysses, Morte d'Arthur, Northern Farmer—Old Style, The Revenge, The Ancient Sage, Locksley Hall Sixty Years After, Freedom, To Virgil, The Two Greetings; BROWNING, Saul, Fra Lippo Lippi, A Grammarian's Funeral, My Last Duchess, Up at a Villa, Love among the Ruins, Two in the Campagna, Andrea del Sarto, Hervé Riel, Abt Vogler, Caliban; and the selections from Wordsworth, Scott, and Shelley in Palgrave's Golden Treasury.

THE HISTORY OF THE ENGLISH DRAMA from its origin to the death of Shakespeare.

The following works are to be studied critically: SHAKESPEARE, Much Ado About Nothing, Hamlet, Lear, Henry VIII.

The following works are to be read carefully: Creation and Fall, Abraham and Isaac, The Second Shepherd's Play, the Four PP., Campaspe, The Spanish Tragedy (all these are contained in Manly's Specimens of the Pre-Shakespearian Drama); MARLOWE, Tamburlaine, Pt. I., Edward II.; BEN JONSON, Every Man in His Humour; SHAKESPEARE, Love's Labour's Lost, King John, Henry IV., Pts. I. and II., Antony and Cleopatra; MILTON, Comus, Samson Agonistes.

1904 and 1905: OLD ENGLISH: BEOWULF, ll. 1-1250, *to be studied critically* in the original; a general knowledge of the remainder of the poem will be expected, which may be gained from Hall's, Earle's or Garnett's translation; historical grammar, and Sweet's *Second Middle English Primer*.

1905: NINETEENTH CENTURY LITERATURE.—An outline of the history of the literature of the period, together with special study of the following works:—

SCOTT, Lay of the Last Minstrel, Old Mortality; SHELLEY, Alastor, Adonais; CARLYLE, Essays on Burns, Biography, Johnson, and Characteristics; MACAULAY, Essays on Boswell's Life of Johnson, and Memorials of Hampden; TENNYSON, The Palace of Art, Ænone, Morte d'Arthur, The Brook, Locksley Hall, Locksley Hall Sixty Years After, Tithonus, Freedom, The Ancient Sage, Rizpah, De Profundis; BROWNING, Saul, Rabbi Ben Ezra, Fra Lippo Lippi, The Grammarian's Funeral, Caliban, Up at a Villa, Two in the Campagna, The Lost Leader, Andrea



del Sarto, James Lee's Wife; MATTHEW ARNOLD, *The Strayed Reveller*, *Switzerland*, *Thyrsis*, *The Scholar-Gipsy*, *Resignation*; and the selections from Scott and Shelley in Palgrave's *Golden Treasury*.

SIXTEENTH AND SEVENTEENTH CENTURY.—An outline of the general characteristics of English literature from 1558 to 1645, with special study of the following works:—

SPENSER, *Faerie Queen*, Book II.; SHAKESPEARE, *Henry IV.*, Parts I. and II., *Much Ado About Nothing*, *Antony and Cleopatra*, *Othello*, *The Tempest*; BACON, *Advancement of Learning*, Book I., *Essays on Adversity*, *Delays*, *Friendship*, *Discourse*, *Riches*, *Nature in Man*, *Youth and Age*, *Studies*; MILTON, *L'Allegro*, *Il Penseroso*, *Lycidas*, *Comus*, a general knowledge of *Paradise Lost*, with a special study of Books I.-IV.; the selections from Lyly to Clarendon inclusive in Garnett's *English Prose*; and those from Wyatt, Surrey, Sackville, Spenser, Sidney, Watson, Marlowe, Shakespeare, Donne and Elizabethan Miscellanies in Ward's *English Poets*, Vol. I.

#### \*Greek.

HOMER, *Iliad*, I., VI., XVIII., XXII.-XXIV.; ÆSCHYLUS, *Agamemnon*; THEOCRITUS, *Idylls*, I., IV., VII., VIII., XIII., XV., XXI.

ARISTOTLE, *Poetics*, with the history of the Greek genius and Greek poetry so far as covered by the following books:—Butcher's *Aspects of Greek Genius* (2nd edition), Matthew Arnold's essay *On Translating Homer*, Butcher's essays in his edition of the *Poetics*, Jebb's *Growth and Influence of Classical Greek Poetry*, Moulton's *Ancient Classical Drama*.

#### \*Latin.

VIRGIL, *Bucolics*, *Georgics* and *Æneid*; LUCRETIUS, Bks. I., III., V., with Sellar's *Roman Poets of the Republic*, Chaps. XI.-XIV., and Sellar's *Virgil*; QUINTILIAN, Bk. X. Questions will be set on the history of Roman poetry to A.D. 120, with special reference to the influence of Roman upon English literature, so far as covered by Sellar's *Virgil*, Myers' *Essay on Virgil*, Tyrrell's *Roman Poetry*, and Mackail's *Handbook to Roman Literature*.

#### French.

Grammar; translation at sight; history of French literature during the 19th century.

An examination on the following texts:—

LAMARTINE, *Premières Méditations poétiques*, Nos. I.-XV. (Lemerre); HUGO, *Chants du Crépuscule*, I.-XX., *Notre-Dame de Paris*, *Hernani*; BALZAC, *Eugénie Grandet* (Calmann Lévy); AUGIER, *le Gendre de Mon-*

\*In the Greek and Latin subjects of this course the same examination papers will be set as in the corresponding subjects of the Classical Honour course, and the standard required will be the same.

sieur Poirier; ALPHONSE DAUDET, *Tartarin sur les Alpes* (Collection Guillaume, Marpon et Flammarion); SAINTE-BEUVE, *Portraits littéraires*, Vol II., Article on Molière; LECONTE DE LISLE, *Poèmes barbares*, pp. 1-55, 166-217 (Lemerre); MAUPASSANT, *Huit contes choisis* (Heath & Co.).

### German.

Grammar; translation at sight; a general acquaintance with the German literature of the 19th century, with special reference to the following authors and works:—

SCHILLER, *Wallenstein's Tod*; KLEIST, *Prinz von Homburg*; HEINE, *Prose* (Clarendon Press); HEBBEL, *Herodes und Mariamne*; FREYTAG, *Aus dem Jahrhundert des grossen Krieges* (ed. Rhoades); FONTANE, *Greta Minde*; *Deutsche Gedichte* (ed. von Klenze), pp. 131—the end, omitting selections from Uhland, Heine and Grün.

Elements of Middle High German grammar; history of Middle High German literature; an examination on the following texts:—

1904: Walther von der Vogelweide (ed. Pfeiffer), *Select Poems*, Nos. 1, 2, 4, 7, 9, 14, 18, 20, 24, 25, 32, 34, 36, 37, 39, 53, 60, 61, 66, 69, 71-75, 77, 81-83, 85, 87, 88, 97, 99-101, 109, 110, 113, 115-117, 127, 128, 134, 137, 148-151, 154, 166, 167, 172, 181, 188.

History of the German language.

### History.

The chief movements in European and American history from A.D. 1763 to the present time, including (a) the continuous history of the British Empire and the United States, (b) a special study of the period of the French Revolution, (c) the philosophy of history.

An essay will be required during the year on some subject connected with the course in History. Marks will be assigned on the basis both of matter and of form by the instructors in English and History, and will be taken into account by the examiners in determining honour standing.

NOTE.—The Education Department of Ontario accepts an honour degree of the University of Toronto, obtained in the above course, as the non-professional qualification for specialists' standing in the department of English and History.

## DEPARTMENT OF ORIENTAL LANGUAGES.

*Additional Requirements:*—Candidates in this department are required to take the following subjects of the general course, in addition to the work prescribed below:—

FIRST YEAR....English; Latin; any two of the languages: Greek, French, German, Hebrew; Ancient History; Mathematics; Physics or Biology.

SECOND YEAR....English or History; any two of the languages: Latin, Greek, French, German; Psychology and Logic.

THIRD YEAR....Latin or Greek or French or German; Ethics.

FOURTH YEAR....Latin or Greek or French or German.

*Term Work in Honours:*—Every candidate for honours in this department shall, during the Fourth year of his course, present a dissertation on some subject connected with Oriental Languages or Literature, such subject to be previously approved by his instructors in the department. The essay shall, on or before the 1st of April in each year, be laid before the instructors in Oriental Languages in University College and Victoria University, who shall examine it and assign to it marks according to their judgment of its merit. Such marks shall be reported to the Registrar and be taken into account by the examiners in determining the standing of the candidate at the examination of the Fourth year.

### Second Year.

HEBREW: Historical and narrative Prose: Exodus I.-XII., XVIII.-XX.; Numbers, XXI.-XXIV.; Deuteronomy, I.-XI.; Judges, VI.-IX.; Ruth; 1 Samuel, XVII.-XIX.; 2 Samuel, XVII., XVIII.; 1 Kings, V., VIII., XVII.-XIX.; 2 Kings, XVI.-XIX.; 2 Chronicles, XXX. Hebrew syntax and Hebrew prose composition. Translation at sight of prose passages. Outlines of Hebrew literature.

ARAMAIC: West Aramaic grammar, with extracts from Targums. Syriac grammar, with reading lessons; outlines of Aramaic literature.

General Semitic history, geography and antiquities.

### Third Year.

HEBREW: Amos, I.-VI.; Micah, III.-VI.; Isaiah, I.-XIV., XXVIII., XXXV., XL.-LV.; Jeremiah, VII.-IX., XIV.-XVII., XXII., XXIII., XXXI.; Ezekiel, XII.-XIV., XXVI., XXVII., XXXIII., XXXIV.;

Haggai. Translation at sight. Syntax and composition. Introduction to the literary study of the prophetic writings. History of Israel to the fall of Samaria.

BIBLICAL ARAMAIC: Outlines of the grammar with selections from Daniel and Ezra.

ARABIC: Introduction to Arabian history and literature. Arabic grammar. Reading of prescribed specimens of the literature.

### Fourth Year.

HEBREW: Psalms, I.-XXXIV., XXXIX.-LV., LXXII.-LXXXVII., LXXXIV.-LXXXVII., XC.-C., CII.-CIV., CX., CXXI.-CXXXVII., CXXX., CXXXVII., CXXXIX., CXLV.-CL.; Proverbs, I.-IV., VIII., XII., XV., XXV., XXX., XXXI.; Job, III.-XIV., XIX., XXVIII.; Ecclesiastes, XII.; Lamentations, I. Composition and translation at sight. Characteristics of Hebrew poetry in detail and of the several poetical books. History of Israel to Maccabæan period.

ASSYRIAN: Grammar and reading of selected texts. Babylonian and Assyrian history. Introduction to the literature, with the history of modern discoveries and their relations with the Old Testament.

Comparative grammar of the Semitic languages.



## DEPARTMENT OF HISTORY.

*Additional Requirements:*—Candidates in this department are required to take the following subjects of the general course in addition to the work prescribed below:—

FIRST YEAR....English; any two of the following languages, viz.: Greek, French, German, Hebrew; Mathematics; Biology *or* Physics.

SECOND YEAR...English; any two of the following languages, viz.: Greek, French, German, Hebrew; Psychology.

THIRD YEAR....English, Ethics.

FOURTH YEAR...English.

## First Year.

1. The honour Latin of the First year *or* the honour Greek of the First year. For details see department of Classics, p. 113. (Candidates choosing the Greek option must take Latin as one of the two languages prescribed as subjects in the general course).

2. ANCIENT HISTORY: (a) Roman history (Pelham's Outlines of Roman History); (b) Greek history (Botsford's History of Greece).

## Second Year.

1. \*LATIN: Composition; sight translation; LIVY, VI., VII.; TACITUS Annals, I. (Furneaux); *or* Greek; sight translation; THUCYDIDES, Bk. I. Candidates choosing the Greek option must take Latin as one of the two languages prescribed as subjects in the general course).

2. \*ANCIENT HISTORY: (a) Roman history to B.C. 266 (Mommsen, Bks. I. and II., Fustel de Coulanges' *La Cité Antique*); (b) Greek history to B.C. 421 (Grant, *Age of Pericles*; Grote's *History of Greece*, part II., Chaps. VI., XI., XXX., XXXI., XLV., XLVI.).

3. The history of mediæval Europe, including (1) The elements of anthropology; (2) the relations of geography and history; (3) the chief movements from A.D. 300 to A.D. 1300, with special reference to (a) the British Isles, and (b) the 13th century.

4. The constitutional history of England to Magna Charta, including the study of the text of the principal constitutional documents.

5. The elements of economics.

\* In the Greek and Latin honour subjects of this course the same questions will be set as in the corresponding subjects of the Classical honour course, and the standard required will be the same.

### Third Year.

1. \*ANCIENT HISTORY: (a) Roman history from B.C. 266 to B.C. 78 (Mommsen, Bks. III. and IV.); Tacitus, Annals, Bks. I., II., III., or Thucydides, Book V. (b) Greek history from B.C. 421 to B.C. 362 (Grote's History of Greece, Chaps. LXVII. and LXVIII.).

2. MODERN HISTORY: The chief movements in European history from A.D. 1300 to 1763, including (a) the continuous history of the British Empire, (b) European effort in America, (c) a special study of the period of the Commonwealth and Protectorate. An essay will be required on some topic connected with the course in history, and the merits of this essay will be taken into account by the examiners in determining honour standing.

3. English constitutional history from Magna Charta, including the study of the text of the principal documents.

4. History of economic theory.

5. English constitutional law.

6. Colonial constitutional law.

### Fourth Year.

1. \*ANCIENT HISTORY: (a) Roman history from B.C. 78 to A.D. 37 (Mommsen, Bk. V.; Merivale, Vols. III., IV., and V.); \*Cicero's Letters (Watson's selection), or Herodotus, VII., VIII., IX.; (b) Greek history, \*Thucydides I., II., III., V., VI., VII.; \*Herodotus, VII., VIII., IX.; Grote's History of Greece, Part I., Chaps. XV., XVI., XVII., XX., XXI.

2. MODERN HISTORY: The chief movements in European and American history from 1763 to the present time, including (a) the continuous history of the British Empire and of the United States, (b) a special study of the period of the French Revolution, (c) the philosophy of history. An essay will be required on some topic connected with the course in history, and the merits of this essay will be taken into account by the examiners in determining honour standing.

3. Political philosophy; economic history; public finance.

4. Federal constitutional law.

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\*In the Greek and Latin honour subjects of this course the same questions will be set as in the corresponding subjects of the Classical honour course, and the standard required will be the same.

\*Either Herodotus or Cicero's Letters must be read in the original: the other Latin authors (with Thucydides) may be read in a translation.

## DEPARTMENT OF POLITICAL SCIENCE.

*Additional Requirements:*—Candidates in this department are required to take the following subjects of the general course, in addition to the work prescribed below:—

FIRST YEAR....English; Latin; any two of the following languages, viz., Greek, French, German, Hebrew; Mathematics (including Permutations and combinations, so far as necessary for the binomial theorem, and the binomial theorem); Biology or Physics (Biology recommended); Ancient History.

SECOND YEAR...English; Latin; any two of the following languages, viz., Greek, French, German, Hebrew; Logic and Psychology.

THIRD YEAR....English, Ethics.

*Term Work in Honours:*—The following term work, to be prescribed by the professors of Political Economy and Constitutional History, is required in these subjects:—

SECOND YEAR: Two essays in each term, in all four essays, and also a term examination to be held before or shortly after the Christmas vacation.

THIRD YEAR: Two essays in each term, in all four essays, and also a term examination to be held before or shortly after the Christmas vacation.

FOURTH YEAR: Two essays in each term, in all four essays, and also a term examination to be held before or shortly after the Christmas vacation.

Such term work and examination count for honours in each year at the annual examination.

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First Year.

Candidates for honours in the Department of Political Science are required to take, in addition to the above subjects of the general course, the full honour course in one of the following honour subjects in the First year: Latin; Greek; any two of the three languages: English, French, German.

NOTE.—Students are recommended to take the honour Latin in the First year instead of the Latin of the general course, in order that they may have the option of entering the History course in the Second year should they so desire.

## Second Year.

1. The elements of economics.
2. Roman history to B.C. 266, Mommsen, Bks. I. and II., and Fustel de Coulanges' *La Cité Antique*.
3. Mediæval history to 1300. (See Department of History for details.)
4. English constitutional history to Magna Charta, including the study of the text of the principal constitutional documents.
5. Mathematics (Elements of the infinitesimal calculus, with elements of analytical geometry).

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## Third Year.

1. The theory of political economy.
2. Modern history from 1300 to 1763. (See department of History for details.)
3. English constitutional history from Magna Charta, including the study of the text of the principal constitutional documents.
4. English constitutional law.
5. Roman law.
6. History of English law.
7. Colonial constitutional law.

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## Fourth Year.

1. Economic history; public finance; political philosophy.
2. Modern history from 1763 to the present time. (See department of History for details.)
3. History of philosophy (Honour history of philosophy of the Fourth year).
4. Jurisprudence.
5. Public international law.
6. Federal constitutional law.
7. Canadian constitutional history, including the study of the text of the principal constitutional documents.

Candidates may take either number 3 or numbers 4 and 5.



## DEPARTMENT OF PHILOSOPHY.

*Additional Requirements:*—Candidates in this department are required to take the following subjects of the general course in addition to the work prescribed below:—

FIRST YEAR....English; Latin; any two of the following languages, viz., Greek, French, German, Hebrew (Greek and German recommended); Ancient History; Mathematics; Physics or Biology (Biology recommended).

SECOND YEAR...Light; any two of the following languages, viz., Greek, German, Latin, French, Hebrew (Greek and German recommended).

THIRD YEAR...English or History; Honour Economics (Pass standing).

## Second Year.

LOGIC: Formal and inductive; scientific methods.

PSYCHOLOGY: (a) Sensation, thought, emotion, volition; (b) Experimental, introductory course, psychophysical methods, the senses of taste and smell, and the dermal and kinæsthetic senses.

METAPHYSICS: Locke, *Essay on the Human Understanding*; Berkeley, *Principles of Knowledge*; Hume, *Treatise on Human Nature*, Parts I. and III.

## Third Year.

LOGIC: Scientific methods; J. S. Mill.

ETHICS: Theory of ethics; history of ethics; essays on ethical topics.

HISTORY OF PHILOSOPHY: Ancient and mediæval; Cicero, *De Finibus*, Books I. and II.

PSYCHOLOGY: (a) Experimental study of psychological optics and acoustics and the time and space relations of mental phenomena; (b) the more important problems of general psychology, with selected readings from Bain, Baldwin, James, Ladd, Sully, Tracy, Ward, Wundt.

## Fourth Year.

HISTORY OF PHILOSOPHY: Modern; special study of Kant's Critiques.

ETHICS: Aristotle, *Nicomachean Ethics*; Kant's ethical writings; Sidgwick's methods of Ethics; essays.

PSYCHOLOGY: Practical work in the laboratory.

**METAPHYSICS:—**

(a) Kant's Prolegomena (paragraphs 1-50). Aristotle's Metaphysics.

(b) (1903-04). Descartes, Meditations and Method; Spinoza, Ethic; Leibnitz, Nouveaux Essais; Lotze, Metaphysics; Wundt, System of Philosophy.

(c) (1904-05). Hamilton's Notes on Reid; Mansel; Comte, Positive Philosophy; J. S. Mill, Examination of Sir William Hamilton; Spencer's First Principles.

(d) Problems of Metaphysics and theory of knowledge with special reference to their relations to modern psychology and recent philosophical systems.

Essays on metaphysical topics.

Review of the work of previous years and essays.

NOTE.—Candidates from St. Michael's College may substitute Lorimer's Institutes of Law for Kant's Ethics, in Fourth year; and also Aristotle's Ethics, Bks. I-IV. in the original, and one of Plato's Dialogues in the original, for the experimental psychology in the Fourth year.

**DEPARTMENT OF MATHEMATICS AND PHYSICS.**

*Additional Requirements:—*Candidates in this department are required to take the following subjects of the general course in addition to the work prescribed below:—

FIRST YEAR....English; Latin or Greek; French or German.

**First Year.**

Elementary physics (mechanics, hydrostatics and heat); inorganic chemistry with attendance at tutorial class; algebra, including determinants and omitting theory of probability; trigonometry (plane and spherical); analytical plane geometry.

**Second Year.**

Elementary physics (electricity and magnetism, and acoustics); physical chemistry, chemical laboratory with qualitative and quantitative work; Newton's Principia, sec. I.; differential calculus; integral calculus; solid geometry; elementary analytical statics and particle dynamics.

### Third Year.

Elementary physics (light); advanced analytical statics; advanced particle dynamics; hydrostatics; geometrical optics; rigid dynamics; thermodynamics (elementary); theory of equations with determinants continued from the First year; laboratory work.

### Fourth Year.

Candidates are allowed to take either Division I. or Division II. in the Fourth year.

#### DIVISION I.—MATHEMATICS.

Astronomy; differential equations; higher plane curves with introductory course in modern geometry; quaternions with outlines of similar space analyses; also any two of the following courses, the selection to be made by the Mathematical Department at the beginning of each year:—

1. Invariant theory. 2. Theory of numbers. 3. Theory of substitutions. 4. Elementary theory of functions. 5. Elliptic functions. 6. Tangential co-ordinates or trilinear co-ordinates. 7. Modern synthetic geometry, as illustrated by Cremona's projective geometry, or Reye's geometry of position or Lachlan's Modern Plane Geometry. 8. Theory of probability.

#### DIVISION II.—PHYSICS.

Elasticity; acoustics; physical optics; thermodynamics (advanced); electricity and magnetism; method of least squares; laboratory work.

NOTE.—The Education Department of Ontario accepts an honour degree of the University of Toronto, obtained in the above course, as the non-professional qualification for specialists' standing in the department of Mathematics.

### DEPARTMENT OF BIOLOGICAL AND PHYSICAL SCIENCE.

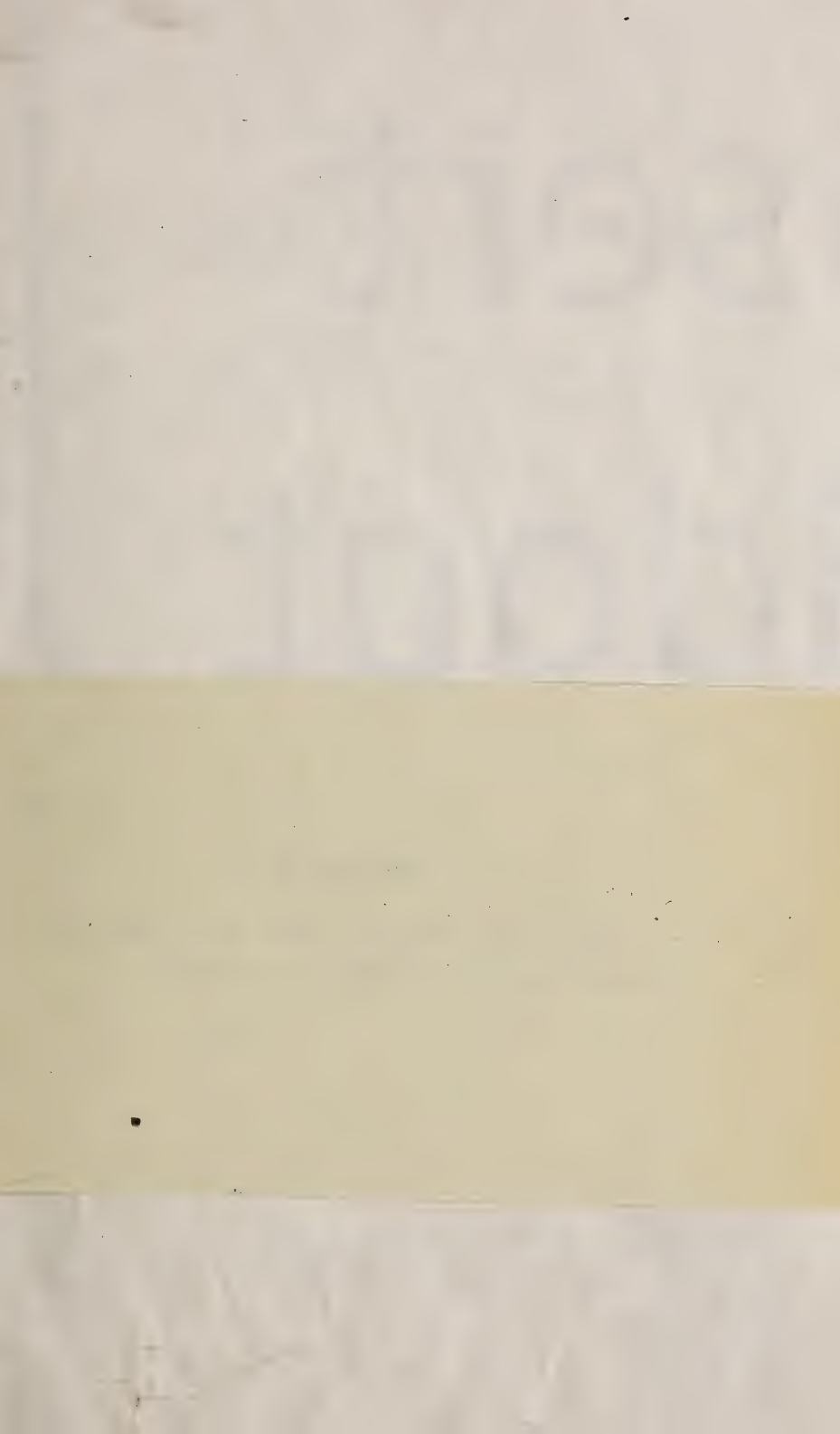
*Additional Requirements:*—Candidates in this department are required to take the following subjects of the general course in addition to the honour work prescribed below:—

FIRST YEAR.....Latin; English; Mathematics.

SECOND YEAR....English; Psychology.

THIRD YEAR.....English.

FOURTH YEAR....English.





### **ERRATUM.**

Page 145, line 18: Insert the word “first” between the words “the” and “second.”

### First Year.

Elementary biology, with laboratory work; elementary physics (mechanics, hydrostatics and heat), with laboratory work; elementary chemistry, with laboratory work; elementary geology.

### Second Year.

Zoology of invertebrata, with laboratory work; physical chemistry; quantitative and qualitative analyses; physics, with laboratory work; elementary physiology.

### Third Year.

Vertebrate zoology, with laboratory work; elementary anatomy; cytology and histology; organic chemistry with laboratory work; advanced laboratory course in electricity and magnetism.

### Fourth Year.

Embryology of vertebrates; general biology, including history of biology, bacteriology; physiology; physiological chemistry; advanced anatomy.

NOTE.—At the Second, Third and Fourth year Examinations the candidate will be required to translate at sight portions of scientific works in French and German.

## DEPARTMENT OF NATURAL SCIENCE.

*Additional Requirements:*—Candidates in this department are required to take the following subjects of the general course in addition to the honour work prescribed below:—

SECOND YEAR....English.

THIRD YEAR.....English.

FOURTH YEAR....English.

### Second Year.

Zoology of the invertebrata, with a practical knowledge of typical forms; structure of the vegetative and floral organs of phanerogamous plants, the course to include laboratory work; elementary physiology; physical chemistry; chemical laboratory (qualitative work); elementary mineralogy, including crystallography and blowpipe work, lithology and dynamical geology, with practical work; physics (acoustics, light, electricity and magnetism), with laboratory work.

### Third Year.

The candidate may select either of the two following divisions for examination:—

#### DIVISION I.—BIOLOGY.

Zoology of the vertebrata, with laboratory and museum work illustrative of this course; vegetable physiology; structure and classification of cryptogamic plants, with practical knowledge of types; organic chemistry, chemical laboratory (qualitative work); historical and stratigraphical geology and palæontology, with excursions and laboratory work.

#### DIVISION II.—GEOLOGY.

Zoology of the vertebrata, with special reference to the hard parts, with laboratory and museum work illustrative of this course; palæontology of the invertebrata and palæophytology, with practical work; historical and stratigraphical geology; determinative and physical mineralogy, with laboratory work; qualitative chemical analysis.

### Fourth Year.

The candidate may select either of the two following divisions for examination:—

#### DIVISION I.—BIOLOGY.

Morphology and embryology of vertebrates, with special dissection of a typical vertebrate form; histology; bacteriology; general biology; physiology; physiological chemistry; physiological psychology.

#### DIVISION II.—GEOLOGY.

Archæan geology; glacial geology; structural geology; field work in geology; physiography; meteorology; petrography; palæontology of the vertebrata; economic geology; systematic mineralogy; geological surveying and cartography; mineral chemistry and assaying.

Students in the department are required to submit a mineralogical, petrographical or palæontological collection made during the previous holidays.

NOTE.—The Education Department of Ontario accepts an honour degree of the University of Toronto, obtained in the above course, as the non-professional qualification for specialists' standing in the department of Science.

DEPARTMENT OF CHEMISTRY AND MINERALOGY.

Second Year.

CHEMISTRY: Inorganic Chemistry; physical chemistry; organic chemistry; chemical laboratory (quantitative work, both gravimetric and volumetric).

MINERALOGY: Elementary mineralogy, including blowpipe work and crystallography.

GEOLOGY: Lectures.

PHYSICS: Electricity and magnetism; light, laboratory work.

MATHEMATICS: Elementary differential and integral calculus.

Third Year.

CHEMISTRY: Inorganic chemistry; physical chemistry; chemical laboratory (organic preparations with lectures and physico-chemical measurements).

MINERALOGY: Determinative and systematic mineralogy and physical crystallography; mineralogical laboratory.

GEOLOGY: Stratigraphical geology.

PHYSICS: Practical electricity.

Fourth Year.

CHEMISTRY: Inorganic and organic chemistry, including the study of selected monographs; history of chemical theory; physical chemistry; chemical laboratory.

MINERAL CHEMISTRY AND ASSAYING.

MINERALOGY: Petrography and economic geology.

The Education Department of the Province of Ontario accepts an honour degree of the University of Toronto obtained in the above course, as the non-professional qualification for specialists' standing in the department of Science, provided the candidate has also obtained honour standing in each of the First and Second years in Biology of the department of Natural Science.

DEPARTMENT OF PHYSICS AND CHEMISTRY.

Second Year.

PHYSICS: Electricity and magnetism, acoustics; analytical statics; dynamics of a particle; laboratory work.

CHEMISTRY: Inorganic chemistry; physical chemistry; laboratory work.



**MATHEMATICS:** Differential calculus of the honour department of Mathematics and Physics with attendance at lectures on solid geometry during the Michaelmas term, and on elementary integral calculus during the Easter term.

### Third Year.

**PHYSICS:** Thermodynamics; light; advanced analytical statics; laboratory work, including practical electricity.

**CHEMISTRY:** Organic chemistry; physical chemistry (theory of chemical affinity); laboratory work.

**MATHEMATICS:** Integral calculus of the Second year honour department of Mathematics and Physics.

### Fourth Year.

**PHYSICS:** Electricity and magnetism; thermodynamics (advanced); laboratory work.

**CHEMISTRY:** Organic chemistry; physical chemistry (chemical thermodynamics; electro-chemistry); history of chemical theory; laboratory work.

**MATHEMATICS:** Differential equations of the department of honour Mathematics of the Fourth year.

NOTE.—The Education Department of Ontario accepts an honour degree of the University of Toronto obtained in the above course as the non-professional qualification for a specialist's certificate in Science, provided the candidate has also obtained honour standing in each of the First and Second year examinations in Biology of the department of Natural Science. The Education Department of Ontario accepts an honour degree of the University of Toronto obtained in the above course as the non-professional qualification for a specialist's certificate in Mathematics, provided the candidate has also obtained honour standing in the following additional subjects of the department of Mathematics and Physics, taken at not more than two examinations:—trigonometry (plane and spherical); Newton's Principia, Sec. I.; statics and dynamics (advanced); rigid dynamics; hydrostatics (advanced); geometrical optics (advanced); elasticity; hydrodynamics; method of least squares.

### DEPARTMENT OF BIOLOGY.

*Additional Requirements:—*

FIRST YEAR: Latin, English and Mathematics.

SECOND YEAR: English.

THIRD YEAR: English.

FOURTH YEAR: English.

## First Year.

(To come into operation in 1903-4).

Elementary biology with laboratory work.

Elementary chemistry with laboratory work.

Elementary physics (mechanics, hydrostatics and heat), with laboratory work.

Elementary geology.

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## Second Year.

(To come into operation in 1904-5).

Biology (invertebrate zoology and phanerogamic botany), with laboratory work.

Elementary animal physiology.

Chemistry, inorganic, physical and organic, with elementary quantitative analysis.

Geology and elementary mineralogy, with laboratory work.

Physics (electricity, magnetism, optics and acoustics), with laboratory work.

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## Third Year.

(To come into operation in 1905-6).

Vertebrate zoology; comparative osteology; cytology and histology; elements of biochemistry; vegetable physiology; cryptogamic botany.

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## Fourth Year.

(To come into operation in 1906-7).

General biology; morphology, and embryology of vertebrates; physiology; physiological psychology; elements of bacteriology.

NOTE.—At the examinations of the First, Second, Third and Fourth years candidates will be required to translate at sight passages of scientific French and German.

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## DEPARTMENT OF CHEMISTRY.

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*Additional Requirements:—*

FIRST YEAR: Latin, English and Mathematics.

### First Year.

(To come into operation in 1903-4).

Elementary chemistry, with laboratory work.

Elementary biology, with laboratory work.

Elementary physics (mechanics, hydrostatics and heat), with laboratory work.

Elementary geology.

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### Second Year.

(To come into operation in 1904-5).

Chemistry, inorganic, physical and organic, with quantitative analysis.

Physics (electricity, magnetism, optics and acoustics).

Elementary calculus.

Biology (invertebrate zoology and phanerogamic botany), with laboratory work and elementary animal physiology, *or*

Geology and mineralogy (elementary mineralogy, crystallography and blowpiping), with laboratory work.

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### Third Year.

(To come into operation in 1904-5).

Chemistry, inorganic, organic, physical and applied, with laboratory work.

Physico-chemical measurements and organic preparations.

Physics, laboratory work in electricity, magnetism, optics and acoustics.

Mathematics, elementary differential equations.

Mineralogy, elementary mineralogy and crystallography of the Second year, without practical work for candidates who selected the biological option at the second examination. Systematic or physical mineralogy without practical work for candidates who selected the option in geology and mineralogy at the second examination.

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### Fourth Year.

(To come into operation in 1905-6).

Chemistry, inorganic, organic, and physical; history of chemistry; laboratory work. Students will elect for their practical work of the Fourth year either general chemistry, physical chemistry, or applied chemistry.

NOTE.—At the examination of the First, Second, Third and Fourth years, candidates will be required to translate at sight passages of scientific French and German.

## DEPARTMENT OF GEOLOGY AND MINERALOGY.

### *Additional Requirements:—*

FIRST YEAR—DIVISION I.: Latin, English and Mathematics. DIVISION II.: Latin, English and Mathematics.

SECOND YEAR—DIVISION I.: English. DIVISION II.: English of the general course of the Third year or analytical geometry of the honour course of the First year (department of mathematics and physics), the former compulsory on all students who took the latter course at the first examination.

THIRD YEAR—DIVISION I.: English.

FOURTH YEAR—DIVISION I.: English.

### First Year.

(To come into operation in 1903-4).

Elementary geology.

Elementary biology, with laboratory work.

Elementary chemistry, with laboratory work.

Elementary physics (mechanics, hydrostatics and heat), with laboratory work.

After the First year the candidate must select either of the two following divisions for examination:—

### Division I.

#### Second Year.

(To come into operation in 1904-5).

Geology and elementary mineralogy, with laboratory work.

Biology (invertebrate zoology and phanerogamic botany), with laboratory work.

Elementary animal physiology.

Chemistry, inorganic, physical and organic, with elementary quantitative analysis.

Physics (electricity, magnetism, optics and acoustics), with laboratory work.

#### Third Year.

(To come into operation in 1905-6).

Geology—Dynamical and structural.

Palæontology—with laboratory work.



Mineralogy—Crystallography, blowpiping, and either physical or systematic mineralogy.

Chemistry—Analysis of minerals and rocks.

Drawing and cartography.

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### Fourth Year.

(To come into operation in 1906-7).

Geology—Archæan, glacial, economic and stratigraphical.

Palæontology, with laboratory work.

Physiography.

Meteorology.

Petrography, with laboratory work.

Mineralogy—General, with physical or systematic mineralogy—laboratory work.

Geological surveying and cartography.

Drawing.

Assaying.

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### Division II.

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### Second Year.

(To come into operation in 1904-5).

Geology and mineralogy (elementary mineralogy, crystallography and blowpiping), with laboratory work.

Chemistry, inorganic, physical and organic, with quantitative analysis.

Physics (electricity, magnetism, optics and acoustics).

Elementary calculus.

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### Third Year.

(To come into operation in 1904-5).

Mineralogy—Determinative, physical or systematic.

Geology—Structural and dynamical.

Elementary palæontology, with laboratory work.

Assaying.

Physics—Laboratory work in electricity, magnetism, optics and acoustics.

Drawing and cartography.

## Fourth Year.

(To come into operation in 1905-6).

Mineralogy—General, with physical or systematic mineralogy.

Petrography—Laboratory work.

Geology—Glacial, archæan, economic and stratigraphical.

Physiography.

Geological surveying and cartography.

Drawing or biology (invertebrate zoology and phanerogamic botany), with laboratory work and elementary animal physiology.

NOTE.—At the examinations of the First, Second, Third and Fourth years, candidates will be required to translate at sight passages of scientific French and German.

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## DEPARTMENT OF PHYSICS.

*Additional Requirements:—*

FIRST YEAR: Latin and Mathematics.

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## First Year.

(To come into operation in 1903-4).

Elementary physics (mechanics, hydrostatics and heat), with laboratory work.

Elementary biology, with laboratory work.

Elementary chemistry, with laboratory work.

Elementary geology.

Analytical plane geometry of the First year honour course (department of mathematics and physics).

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## Second Year.

(To come into operation in 1904-5).

Physics (electricity, magnetism, optics and acoustics) with laboratory work.

Biology (invertebrate zoology and phanerogamic botany) with laboratory work.

Elementary animal physiology.

Chemistry, inorganic, physical and organic with elementary quantitative analysis.

Differential and integral calculus and elementary solid geometry.

### Third Year.

(To come into operation in 1905-6.)

Analytical statics; dynamics of a particle; hydrostatics; geometrical optics; rigid dynamics; elementary thermodynamics; elementary differential equations; laboratory work.

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### Fourth Year.

(To come into operation in 1906-7.)

Physical optics; electricity and magnetism; advanced thermodynamics; acoustics; elasticity; method of least squares; laboratory work.

NOTE.—At the examinations of the First, Second, Third and Fourth years candidates will be required to translate at sight passages of scientific French and German.

## DEGREE OF PH. D.

The degree of Doctor of Philosophy has been established for the purpose of encouraging research in the University of Toronto, and is conferred on the following conditions:—

1. The candidate shall be a graduate in Arts of the University of Toronto, and shall register in the University of Toronto as a graduate student. Graduates in Arts in other Universities who have been admitted *ad eundem gradum* in this University may also register. The Registrar shall not register any student unless he present a certificate of qualification from the professors and heads of that department in the University of Toronto, University College and Federated Universities, from which he proposes to select his major subject. Such registration may take place at any time in the academic year.

2. The candidate shall after registration have pursued for at least two years the study of a special subject, to be termed the major subject, under the direction of the professor of such subject in the University of Toronto, University College, or Federated Universities.

3. Exemption from attendance for the first of the two years of study may be granted upon the report of the professor, but the candidate shall present satisfactory evidence of study in his major subject at another University during that year.

4. The candidate shall pass examinations in two other subjects, to be termed the minor subjects. He shall obtain a standing in the examinations in the two minor subjects equivalent at least to that required for second class honours in the examination for the B.A. Degree. The examination in either or both minor subjects shall be dispensed with in case the candidate has obtained first class honours in either or both of such subjects at the examination for B.A. in this University.

5. The candidate shall present a thesis on some topic in his major subject embodying the results of an original investigation conducted by himself.

6. The acceptance of the thesis shall be determined upon the report of the professors and heads of that department which includes the major subject, in the University of Toronto, University College and Federated Universities, and such report shall also state that the candidate has passed a satisfactory examination in his major subject. The candidate, after the acceptance of the thesis, shall furnish to the Registrar one hundred printed copies of such thesis, together with the report thereon, before he receives the degree.

7. The annual fee for registration in the University of Toronto and University College is \$25, and the fee for the degree of Doctor of Philosophy is \$50.



8. The candidate shall select one of his minor subjects from the group to which his major subject belongs, and shall select his second minor as indicated in the annexed table.

The following is the list of major subjects arranged in groups:—

GROUP I. BIOLOGY.

1. Animal Morphology.
2. Animal Physiology.
3. Botany.

GROUP II. CHEMISTRY.

1. Inorganic Chemistry.
2. Organic Chemistry.
3. Physical Chemistry.
4. Physiological Chemistry.

GROUP III. PHYSICS.

1. Light.
2. Heat.
3. Electricity.
4. Sound.
5. Dynamics.

GROUP IV. GEOLOGY.

1. Geology.
2. Mineralogy.
3. Palæontology.

GROUP V. PHILOSOPHY.

1. Logic and Metaphysics.
2. Psychology.
3. History of Philosophy.
4. Ethics.

GROUP VI. ORIENTAL LANGUAGES AND LITERATURE.

1. Hebrew Language and Literature.
2. Aramaic Language and Literature.
3. Arabic Language and Literature.
4. Assyrian Language and Literature.

GROUP VII. POLITICAL SCIENCE.

1. Economic History.
2. Economic Theory.
3. Philosophy of Politics.
4. Constitutional History and Law.

Minor subjects also may be chosen from the following groups:—

GROUP VIII. MODERN LANGUAGES AND LITERATURE.

1. Old English.
2. Modern English.
3. Modern French.
4. Old French.
5. Modern German.

GROUP IX. LATIN AND GREEK LANGUAGES AND LITERATURE.

1. Greek Language and Literature.
2. Latin Language and Literature.
3. Greek Philosophy.
4. Roman and Greek History.

GROUP X. HISTORY.

1. Canada under the French Régime.
2. Canada under British Rule.
3. The American Revolution.

GROUP XI. MATHEMATICS.

1. Geometry.
2. Analysis.

The provisions of this statute may be extended to any other department in the University of Toronto, University College and Federated Universities, upon application of the head or heads of such department to the University or College to which he or they belong, and upon satisfying such governing body of the ability of their department to carry out the purposes of this statute.

Until the extension of the provisions of this statute to departments not at present included in the preceding enumeration of groups, the heads of such departments shall, when asked so to do, name subjects as second minors in their departments.

TABLE.

| When the candidate selects his<br>major subject from | He shall select his second minor<br>subjects from |
|--|---|
| Group I.   | Group II., III., IV. or V.                        |
| Group II.  | Group I., III., IV. or XI.                        |
| Group III.   | Group I., II., IV., V. or XI.                     |
| Group IV.  | Group I., II., III. or V.                         |
| Group V.   | Group I., II., III., VII. or IX.                  |
| Group VI.  | Group V., VIII., IX. or X.                        |
| Group VII.   | Group V., VIII., IX., X. or XI.                   |

## COURSES OF INSTRUCTION IN ARTS.

The undergraduate courses of instruction in Arts, in the University of Toronto and the Colleges, are based upon the Curriculum, as above (pp. 103-154). The following statements regarding the scope and aim of the courses are added in cases in which such additional information is considered desirable, together with the names of the teaching staff for 1902-1903:—

### UNIVERSITY SUBJECTS.

#### Mathematics.

|                               |                             |
|-------------------------------|-----------------------------|
| ALFRED BAKER, M.A.....        | <i>Professor.</i>           |
| A. T. DELURY, M.A.....        | <i>Associate Professor.</i> |
| J. C. FIELDS, B.A., Ph.D..... | <i>Lecturer.</i>            |
| E. F. BURTON, B.A.....        | <i>Fellow.</i>              |

Supplemental to the general course of the First year, embracing Euclid, Elementary Algebra and Trigonometry, a course is offered in permutations, combinations and binomial theorem, and also in elementary analytical geometry of two dimensions, suitable for such as, in the Second year, wish to enter upon the study of elementary infinitesimal calculus. The course in elementary analytical geometry is valuable also for its own sake, as it establishes the more important properties of the conic sections.

In the honor work of the First year the following text-books are recommended:—Hall and Knight's Higher Algebra, C. Smith's Treatise on Algebra, Todhunter and Hogg's Trigonometry, Hobson's Trigonometry, Todhunter's Spherical Trigonometry, C. Smith's Conic Sections, Salmon's Conic Sections.

In the Second year the elementary course in differential and integral calculus is designed to afford such knowledge of the character, methods and place in science of this important subject as educated men should possess, and also to enable students in chemistry, engineering, etc., to understand those of their text-books in which the calculus is introduced.

A further course of lectures is given in the elements of analytical geometry and of the infinitesimal calculus, intended specially for students in economics, who it is hoped will thus be in a position to follow recent developments in this science.

In the honour work of the Second year the following text-books are recommended:—Williamson's Differential Calculus, Williamson's Integral Calculus, Kiepert's Differential-und Integral-Rechnung, C. Smith's Solid Geometry, Evans' Main's Principia, Frost's Principia. For the remainder of the work in the Second year, see department of Physics.

Mathematical students in the Third year take theory of equations, including determinants continued from the First year; text-book:—Burnside and Panton. For the remainder of the work in the Third year, see department of Physics.

In the work of the Fourth year the following text-books are recommended: Newcomb and Holden's Astronomy, Barlow and Bryan's Elementary Mathematical Astronomy, Godfray's Astronomy, Chauvenet's Astronomy; Godfray's Lunar Theory; Cheyne's Planetary Theory; Johnson's Differential Equations, Forsyth's Differential Equations; Page's Ordinary Differential Equations, Murray's Introductory Course in Differential Equations; Salmon's Higher Plane Curves; Kelland and Tait's Quaternions, Hime's Outlines of Quaternions, Tait's Quaternions; Elliott's Algebra of Quantics, Salmon's Higher Algebra; Matthew's Theory of Numbers, Netto's Theory of Substitutions; Durège's Theory of Functions, Forsyth's Theory of Functions, Harkness and Morley's Theory of Functions; Dixon's Elliptic Functions, Cayley's Elliptic Functions, Appell and Lacour's Fonctions Elliptiques; Papelier's Coordonnées Tangentielles; Ferrers' Trilinear Co-ordinates; Cremona's Projective Geometry; Reye's Geometry of Position translated by Holgate; Lachlan's Modern Pure Geometry.

By courtesy of the authorities of the Observatory, students have access to and use of the astronomical instruments.

The department is furnished with the admirable thread and plaster models of Brill for illustrating the teaching of geometry of three dimensions.

### Physics.

|                                 |                              |
|---------------------------------|------------------------------|
| JAMES LOUDON, M.A., LL.D.....   | <i>Professor.</i>            |
| W. J. LOUDON, B.A.....          | <i>Associate Professor.</i>  |
| J. C. MCLENNAN, B.A., PH.D..... | <i>Associate Professor.</i>  |
| C. A. CHANT, M.A. PH.D.....     | <i>Lecturer.</i>             |
| G. R. ANDERSON, M.A.....        | <i>Assistant.</i>            |
| E. F. BURTON, B.A.....          | <i>Assistant.</i>            |
| J. S. PLASKETT, B.A.....        | <i>Mechanical Assistant.</i> |

The work of instruction in Physics consists of courses of lectures and of practical work in the laboratories. The lectures include (1) an introductory course for medical students, (2) an elementary course illustrated by experiments in mechanics, hydrostatics, and heat, as required by students of the First year in Arts, (3) a similar course in optics,



electricity and magnetism for students of the Second year in Arts, (4) a similar course on acoustics and physical optics for students of the Third year in Arts, and (5) advanced courses on mathematical physics for honour students in the Second, Third and Fourth years in Arts.

The elementary courses for students in the First, Second and Third years in Arts are also attended by students in engineering, architecture and other departments.

In the practical work of the laboratory there are at present eleven courses, six elementary and five advanced, which have been arranged to meet the requirements of Arts students, engineers, architects and candidates for specialists' certificates at the Education Department.

Facilities are also afforded in the laboratories and workshop to graduate students who desire to engage in research work.

*Text-books: General Physics:* Ganot's Physics; Hastings and Beach's General Physics. *Elementary Mechanics:* Lock, Mechanics for Beginners; Glazebrook, Statics and Dynamics. *Elementary Hydrostatics:* Glazebrook, Hydrostatics. *Elementary Heat:* Glazebrook, Heat; R. W. Stewart, Text-book of Heat. *Elementary Light:* Deschanel, Natural Philosophy, Pt. 4. *Elementary Electricity and Magnetism:* Poyser, Advanced Magnetism and Electricity; Silvanus Thompson, Elementary Lessons. *Advanced Mechanics:* Minchin, Statics; Routh, Statics; Tait and Steele, Dynamics of a Particle. *Geometrical Optics:* Herman, Geometrical Optics. *Hydrostatics:* Besant. *Rigid Dynamics:* Loudon. *Acoustics:* Donkin. *Elasticity:* Williamson. *Physical Optics:* Drude, Theory of Optics. *Thermodynamics:* Clausius, Mechanical Theory of Heat. *Electricity:* J. J. Thomson, Elements of Electricity and Magnetism. *Least Squares:* Merriman. *Practical Physics:* Loudon and McLennan; Carhart and Patterson.

*Works of Reference: General Physics:* Deschanel (by Everett); Jamin; Violle; Nichols and Franklin; Thomson and Tait; Macfarlane's Tables; Chambers' Tables. *Elementary Mechanics:* Briggs and Bryan; Magnus, Mechanics; Loney; Garnett. *Elementary Hydrostatics:* Briggs and Bryan; Loney. *Elementary Heat:* Jones; Tyndall; Balfour Stewart; Tait. *Elementary Light:* Jones; R. W. Stewart; Tyndall; Tait; Wright. *Elementary Electricity and Magnetism:* Cumming; Larden; R. W. Stewart; Day. *Elementary Sound:* Catchpool; Tyndall; Zahm; Taylor; Stone; Mayer; Capstick. *Advanced Mechanics:* Minchin; Routh; Ziwet; Todhunter; Besant; Williamson and Tarleton; Price; Appell. *Geometrical Optics:* Aldis; Heath; Parkinson. *Hydrostatics:* Besant; Minchin; Greenhill. *Rigid Dynamics:* Routh; Pirie; Worthington; Aldis. *Acoustics:* Rayleigh; Helmholtz; Airy; Koenig. *Physical Optics:* Jamin; Verdet; Basset; Glazebrook; Lommel; Mascart. *Elasticity:* Lambé; Ibbetson; Love; Todhunter. *Heat:* Preston; Maxwell; Tait. *Electricity:* Emtage; Maxwell; Mascart and Joubert; Gerard; Gray;

Heaviside; Ebert; Du Bois; Foster and Atkinson's Joubert; Glazebrook; Webster. *Least Squares*: Merriman; Wright; Airy; Holman; Johnson; Comstock; Gauss. *Practical Physics*: Stewart and Gee; Glazebrook and Shaw; Kohlrausch; Witz; Ayrton; Nichols.

### Geology and Palæontology.

A. P. COLEMAN, M.A., PH.D.....*Professor.*

W. A. PARKS, B.A., PH.D.....*Lecturer.*

An elementary course in geology is given for students in natural and physical science of the First year, and for students in the general course of the Second year.

In the Second year lectures are given in geology and palæontology with laboratory work for students in natural and physical science.

In the Third year lectures are given on dynamical and structural geology and palæontology of the invertebrates with laboratory work.

In the Fourth year lectures are given on archæan, glacial, economic and stratigraphical geology, palæontology of the vertebrata, physiography and meteorology, and geological surveying and cartography, with practical work.

*Text-books and works of reference*: Dana, Manual of Geology; Geikie, Text-book of Geology; Le Conte, Elements of Geology; Prestwich, Geology; Scott, Introduction to Geology; Phillips, Ore Deposits; Kemp, Ore Deposits of the United States and Canada; Beck, Erzlagerstätten; Nicholson, Palæontology; Zittel, Handbuch der Palæontologie; Stimmann Döderlein, Elemente der Palæontologie; Penck, Morphologie der Erdoberfläche; Suess, Das Antlitz der Erde; Davis, Elementary Meteorology; Hahn, Climatologie; Geikie, The Great Ice Age; Van Hise, Pre-Cambrian Geology; the reports of the geological survey of Canada and of the Bureau of Mines of Ontario.

### Mineralogy and Petrography.

T. L. WALKER, M.A., PH.D.....*Professor.*

W. A. PARKS, B.A., PH.D.....*Lecturer.*

Lectures and laboratory work are provided for the Second, Third and Fourth years as follows:

**SECOND YEAR.**—Lectures will be delivered in elementary mineralogy and in morphological crystallography. The laboratory practice occupies one-half day a week and includes the study of the commoner minerals, type crystals and crystal models with blowpipe practice.

*Text-books*: Numbers 1, 2, 4, 5, and 14 of the list given below.

**THIRD YEAR.**—Lectures on physical crystallography, crystallographic calculations and systematic mineralogy. The practical work consists of goniometric measurements, crystal drawing and projection, determinative mineralogy and experiments in physical crystallography.

*Text-books:* Numbers 1, 2, 3, 5, 7, 12, 13, and 14.

FOURTH YEAR.—Lectures on petrography, history of mineralogy, and general mineralogy. During this year the practical work consists of petrography, megascopic and microscopic, and the student will be introduced to the simpler problems connected with mineralogy and crystallography.

*Text-books:* Numbers 5, 6, 7, 8, 9, 10, 11, 12, and 13.

Students are required to pay laboratory fees and to make a deposit of five dollars, in return for which necessary apparatus will be supplied by the department.

*Text-books:* 1. Baumhauer, Das Reich der Krystalle. 2. Chapman, Blowpipe Practice. 3. Crosby, Tables for the Determination of Minerals. 4. Dana, Minerals and how to study them. 5. Dana, Text-book of mineralogy. 6. Fouque and Michel-Levy, Synthèse des Minéraux et des Roches. 7. Groth, Physikalische Krystallographie. 8. Harker, Petrology for Students. 9. Kemp, Handbook of Rocks. 10. Kobell, Geschichte der Mineralogie. 11. Reinisch, Petrographisches Praktikum. 12. Rosenbusch, Hülfsstabellen zur Mikroskopischen Mineral Bestimmung. 13. Rosenbusch-Iddings, Microscopic Physiography. 14. Williams, Elements of Crystallography.

Books of reference will be found in the departmental library.

### Chemistry.

- W. R. LANG, D.Sc., F.C.S..... *Professor of Chemistry and Director of the Chemical Department.*  
 W. L. MILLER, B.A., PH.D..... *Associate Professor of Physical Chemistry.*  
 F. B. ALLAN, M.A., PH.D..... *Lecturer.*  
 F. B. KENRICK, M.A., PH.D.... *Lecturer.*  
 MISS C. C. BENSON, B.A..... *Assistant.*  
 C. M. CARSON, B.A..... *Assistant.*  
 ALFRED TINGLE, B.Sc., PH.D.... *Junior Assistant.*

The following courses of lectures on Chemistry will be delivered in the chemical laboratory:—

INORGANIC CHEMISTRY: 1. *Systematic.* An introductory course on descriptive chemistry, and on the atomic and molecular theories, for First year Natural and Physical Sciences, First year Mathematics and Physics, First year medicine, and Second year general course. 2. *Tutorial Class.* The systematic is divided into sections which meet once a week for further instruction in arithmetical chemistry. Home work involving simple calculations is prescribed. 3. *Special.* A course is delivered one day a week during Michaelmas term explanatory of labora-

tory work. 4. *Special*. A special course on inorganic chemistry for First year chemistry and mineralogy, biology and physics, and physics and chemistry.

ORGANIC CHEMISTRY: 1. The fatty and the aromatic compounds, for the Fourth year Physics and Chemistry, and for the Third year Chemistry and Mineralogy. 2. A more elementary course on the fatty compounds, with a few lectures explanatory of the benzene theory, for the Third year Natural Science, Second year Medicine and Second year Chemistry and Mineralogy, and Third year Physics and Chemistry. 3. A course on synthetic methods, and on stereochemistry for Fourth year Chemistry and Mineralogy.

HISTORY OF CHEMICAL THEORY: For Fourth year Chemistry and Mineralogy, and Physics and Chemistry.

Special instruction will in addition be given to the students of the departments of Chemistry and Mineralogy, and Physics and Chemistry, as occasion requires.

PHYSICAL CHEMISTRY: 1. *Elementary*. A course on the relations between chemical and other forms of energy, for Second year Chemistry and Mineralogy, Second year Physics and Chemistry, Second year Natural Science, and Second year Mathematics and Physics. 2. *Introductory*. Stœchiometry, theory of solutions, introduction to electrochemistry, etc., with elementary applications of the calculus to physico-chemical problems, for Second year Chemistry and Mineralogy, and Second year Physics and Chemistry. 3. *Theory of Affinity*. Velocity of reactions, the mass law, electrochemistry, and elementary applications of thermodynamics to chemical problems, for Third year Chemistry and Mineralogy. 4. *Chemical Thermodynamics*. A general course on energetics, with special application to chemical problems, for the Fourth year Chemistry and Mineralogy.

### Laboratory Regulations.

Each student proposing to attend lectures or practical work in the chemical laboratory must apply for a ticket which will have marked on it the number of his seat in the lecture room, of his hat rack, of his working place in the laboratory and of his locker. This ticket will be given only to students presenting their registration tickets, and no working place in the laboratory will be allotted until a deposit of three dollars has been made. Each student will be held responsible for the seat, etc., allotted him, and no change may be made without the consent of the professor. At the close of the Easter term this ticket must be presented for certificate of attendance.

Each student is provided with a suitable note-book in which to keep an account of the work done by him during the year. These books will be examined from time to time, and marks will be assigned. The stu-



dent's standing in practical chemistry is based upon these marks, together with those assigned for the practical examinations of the term, and for written examinations on the work.

At the beginning of the term the following apparatus will be provided:—*For Qualitative Analysis*: a key; a test tube stand; twelve test tubes; a test tube cleaner; one mortar and pestle; one evaporating dish; two watch glasses; one crucible and cover; a pair of crucible tongs; a package of filter paper; two funnels; a Bunsen burner with rubber tubing; a sandbath and tripod; a blowpipe; a wash bottle; H<sub>2</sub>S generator; a duster. *For Quantitative Analysis*: a key; five beakers; mortar and pestle; evaporating dish; two crucibles and covers; a pair of crucible tongs; a pair of weighing glasses; package of filter paper; two funnels; a Bunsen burner with tubing; an Argand burner with tubing; an exsiccator; a stand and ring; a wash bottle; a duster.

An account will be kept with each student; all apparatus broken or destroyed and all fines will be charged against his deposit, which must be renewed when exhausted.

The apparatus provided is intended for use in the laboratory only, and may not be removed from the building. At the close of the term's work it must be returned clean and dry.

### Biology.

R. RAMSAY WRIGHT, M.A., LL.D..*Professor.*

B. A. BENSLEY, B.A., PH.D.....*Lecturer in Zoology.*

W. H. PIERSON, B.A., M.B.....*Lecturer in Elementary Biology and Histology.*

J. H. FAULL, B.A.....*Lecturer in Botany.*

R. B. THOMSON, B.A.....*Class Assistant in Botany.*

C. M. FRASER, B.A.....*Lecturer and Laboratory Assistant in Biology.*

E. A. McCULLOCH, B.A.....*Class Assistant in Biology.*

M. H. EMBREE, B.A.....*Class Assistant in Biology.*

G. W. ROSS, B.A.....*Class Assistant in Biology.*

A. H. ADAMS, B.A.....*Class Assistant in Biology.*

A. C. HENDRICK, B.A., M.B.....*Class Assistant in Biology.*

W. J. MCCOLLUM, M.B.....*Class Assistant in Biology.*

The lectures and practical instruction in this subject are given in the University Biological Building.

The following arrangements will be in force for 1903-4:

1. A course of two lectures a week throughout the session on the elements of biology will be given to prepare candidates for the University examination of the First year. This course is designed as an introduction to the whole range of biological studies. After a sketch of the scope and objects of these, the lecturers will treat (1) of the funda-

mental principles of biology, as illustrated by the simplest animals and plants, (2) of typical forms of higher plants in ascending order, (3) of the structure and functions of the human body, and (4) comparatively, of the vertebrates and of the rest of the animal kingdom. Students are recommended to make use of the Biological Museum in connection with this course of lectures.

*For reference:* Jeffrey Parker, Elementary Biology; Ramsay Wright, High School Zoology; Atkinson, Elementary Botany; Huxley, Lessons in Elementary Physiology.

2. A supplementary series of lectures on zoology with a course of practical lessons involving fifty hours' instruction will be given in the Michaelmas term to honour students of the First year. Each member of the class will be required to provide himself with a case of instruments and a watchmaker's lens both of prescribed pattern at the beginning of the session.

3. A course of lectures and practical work on botany of the same duration will be given in the Easter term to First year honour students.

*For reference:* Coulter, Plants—A text-book of Botany; Kerner and Oliver, Natural History of Plants.

4. Students of the Second year will attend during the Michaelmas term a series of twenty-five lectures and a practical course of seventy-five hours on the zoology of the invertebrata.

*Text-book:* Parker and Haswell, Zoology, Vol. I.

*For reference:* Lang, Vergleichende Anatomie; Cambridge Natural History; Ludwig, Synopsis des Thierreichs; Hertwig's Zoology edited by Kingsley.

5. They will also have a course in phanerogamic botany similar in character and duration during the Easter Term.

*Text-book:* Strassburger, Noll, etc., Text-book of Botany; (or in German, Lehrbuch der Botanik für Hochschulen).

*For reference:* Coulter, Seed-Plants; Britton and Brown, An Illustrated Flora.

6. Students of the Second year are required to familiarize themselves during the preceding long vacation with certain aspects of the Canadian fauna and flora, and to submit collections of invertebrate animals from prescribed groups and phanerogamic plants as a portion of the term work of the Second year.

*Text-book in Botany:* Gray's Manual.

7. Students of the Third year will attend a course of fifty lectures on cryptogamic botany and vegetable physiology during the session as well as a practical course of one hundred and twenty-five hours in the Michaelmas term.

*Text-book:* Strassburger.

*For reference:* Campbell, A University Text-book of Botany; Campbell, Mosses and Ferns; Cooke, Introduction to the Study of Fungi; Frank, Lehrbuch der Botanik; Green, Introduction to the Physiology of Plants; Macdougall, Practical Text-book of Plant Physiology; Pfeffer, Pflanzenphysiologie; Scott, Fossil Botany.

8. An introductory course of twenty-five lectures and demonstrations on the system and comparative osteology of the vertebrates will be given in the Michaelmas term.

*For reference:* Reynolds, The vertebrate Skeleton; Smith-Woodward, Outlines of Vertebrate Palæontology.

9. There will also be an advanced course of twenty-five lectures on vertebrate zoology with an illustrative practical course of one hundred and twenty-five hours in the Easter term.

*Text-book:* Parker and Haswell, Zoology, Vol. II.; Parker, Zootomy of the Vertebrates.

*For reference:* Cambridge Natural History; Lee, Microtomist's Vade-Mecum.

10. Collections of cryptogamic plants and vertebrate animals made during the preceding long vacation must be submitted at the beginning of the session by students entering on the Third year.

*Text-book in zoology:* Jordan's Vertebrates.

11. Students of the Fourth year will attend a course of twenty-five lectures and sixty hours' practical instruction in cytology and histology, a course of lectures and practical instruction of one hundred and twenty hours on comparative anatomy of vertebrates, a course of twenty-five lectures on vertebrate embryology with an illustrative practical course of one hundred and fifty hours, a series of fifty lectures on general biology and of ten lectures on the biology of bacteria with an illustrative practical course.

*For reference:* Cytology: Wilson, The Cell in Development and Inheritance; histology: Boehm and Von Davidoff, or Szymonowicz and Macallum; comparative anatomy of vertebrates, Wiedersheim, Grundriss, 5th ed.; embryology: Foster and Balfour, Marshall, Hertwig, Ziegler; bacteriology: Fischer.

12. General Biology.—The laboratory will be provided with the various works which the student will be advised to consult.

Honour students of all the years are required to pay laboratory supply fees in advance to the Bursar.

### Physiology.

A. B. MACALLUM, M.A., M.B., Ph.D.....*Professor.*

F. H. SCOTT, B.A., Ph.D.....*Demonstrator.*

Instruction in this subject will be given for 1903-4 in the physiological laboratory and will consist of the following:

1. A course of twenty-five lectures, with demonstrations, on elementary physiology and physiological chemistry for students in the Second year of the honour Natural Science department and the honour Biological and Physical Sciences department. This course is to serve as an introduction to the more advanced course (3).

2. A course of instruction in bio-chemistry in the Third year to comprehend practical work in the chemistry of animal and vegetal cells and of the various classes of compounds of organic origin.

3. An advanced course of lectures and laboratory instruction in physiology for students of the Fourth Year in Natural Sciences and in Biological and Physical Sciences. The lectures will embrace a review of the subject of comparative physiology in order to afford the student a course parallel to that which he obtains in comparative anatomy. The laboratory work will occupy at least four hours a week throughout the session and the student will be expected to perform, under supervision, all the leading experiments illustrative of the subject matter of the lectures. The subject of physiological chemistry will also be covered by the lectures.

*The text-books required are:* for the elementary course, Huxley's *Lessons in Elementary Physiology* (last edition). For the advanced course, Halliburton's *Physiology*; Bung's *Physiological Chemistry* (translated by Starling, last edition); Halliburton's *Essentials of Chemical Physiology*.

*The books of reference are:* Schäfer's *Text-book of Physiology*, Gamgee's *Physiological Chemistry*; Man's *Methods and Theory in Physiological Histology*; Hamburger's *Osmotische Druck und Ionenlehre*.

### History.

G. M. WRONG, M.A.....*Professor of Modern History.*

In the lectures the more important movements will be discussed, and attention will be directed to the causes of social and political changes rather than to narrative history. Special emphasis will be laid upon the history of the British Empire.

#### *A. General Course:—*

The general course covers the history of Mediæval Europe in the Second year, and modern European and American history to the year 1763 in the Third year. In the Fourth year European and American



history since 1763 is studied in greater detail, and the course closes with an inquiry into the possibilities of a philosophy of history. The following list of books has been made as brief as possible, and represents a minimum standard of reading:—

SECOND YEAR: Duruy, *Middle Ages*, or Emerton, *Introduction to Middle Ages*; Emerton, *Mediæval Europe*; Green or Gardiner on *England*.

THIRD YEAR: Lodge, *Modern Europe*; Green or Gardiner on *England*; Fiske, *Discovery of America*, Chaps. II., III., IV., V., XII.; Goldwin Smith, *United States*; Roberts, *Canada*; Bourinot, *Canada (Story of the Nations)*.

FOURTH YEAR: The books by the following authors set forth fully in the Fourth year honour course should be read:—On modern history: Morse Stephens, Macaulay, Fyffe or Seignobos, Green or Gardiner, Channing, Bourinot. On the philosophy of history; Morris's *Hegel*. The philosophy of history is so closely associated with anthropological and ethnological questions that students are recommended to take also the course of study prescribed in ethnology.

#### *B. Honour Course:—*

Honour work in History is done in four of the honour departments of the curriculum. In the department of History the whole course of study on the curriculum in ancient, mediæval and modern history is required during the four years, and this study is combined with that of political economy and constitutional law. In the department of English and History the study of mediæval and modern history is combined with that of literature, both English and classical; in the department of Political Science, history is combined with economic and legal study, and in the department of Classics with Greek and Latin literature. The essays required must be based upon the study of some of the original authorities for a selected short period, and in judging them regard will be had to both their literary and historical merits.

The following list of works has been made as brief as possible, and represents a minimum standard of reading for the periods covered. The list applies in its entirety only to students in the department of History. Students taking honour History in connection with other departments can determine by reference to the curriculum what portions of the list apply to their work. For Constitutional History a list will be found in the department of Political Science.

SECOND YEAR: *Mediæval History*: Hodgkin, *The Dynasty of Theodosius*; Bryce, *Holy Roman Empire (to the Fall of the Hohenstaufen)*; Duruy, *Middle Ages* or Emerton *Introduction to Middle Ages*; Emerton, *Mediæval Europe*; Green or Gardiner on *England*.

THIRD YEAR: *Modern History*: Bryce, Holy Roman Empire (from the Fall of the Hohenstaufen); Lodge, Modern Europe; Symonds, Short History of the Renaissance in Italy; Green or Gardiner on England; Seeley, Expansion of England; Fiske, Discovery of America, Chaps. II., III., IV., V., XII.; Fisher, The Colonial Era (American History Series); Bourinot, Canada (Story of the Nations).

FOURTH YEAR: (a) *Modern History*: Tocqueville, France Before the Revolution; Morse Stephens, European History, 1789-1815; Fyffe, Modern Europe, Period since 1814, or Seignobos, Political History of Europe since 1814; Channing, The United States of America, 1765-1865 (Cambridge Historical Series); Green or Gardiner on England; Bourinot, Canada (Story of the Nations); Morris, Exposition of Hegel's Philosophy of History (Griggs' Philosophical Classics).

(b) *Ethnology*: Keane, Ethnology; Ripley, The Races of Europe. The lectures will be illustrated by maps, skulls, primitive implements, etc.

### Italian and Spanish.

W. H. FRASER, M.A.....*Professor.*

E. J. SACCO.....*Special Instructor in Italian.*

F. J. A. DAVIDSON, M.A., PH.D.*Special Lecturer in Spanish.*

The courses in these subjects extend over four years, and are arranged with the object of giving the student (1) a knowledge of the language of the present time; (2) an appreciation of some of the more important masterpieces of the literature; (3) a knowledge of the historical development of the language and literature.

*Major Italian and Spanish are the Italian and Spanish of Division II.*

*Minor Italian and Spanish those of Division I.*

FIRST YEAR ITALIAN.—Simple narratives are used as a basis for instruction in grammar, and for the acquisition of vocabulary and idiom. Oral practice forms a large part of the work throughout the year, and phonetic transcription is employed as a means of giving definiteness to the knowledge of pronunciation and orthography. Bacci e Gotti, Le Glorie della Patria, per la terza classe, and Baccini, Cristoforo Colombo, are used for reading; Grandgent's Italian Grammar (Heath & Co.), and Fraser's Italian Exercises are used as text-books in grammar and composition.

FIRST YEAR SPANISH.—The course in Spanish is parallel in scope, object and method with that in Italian. H. Butler Clarke's First Spanish Reader and Writer (London, Swan, Sonnenschein & Co.) is used as a basis for practice in the language, and for instruction in grammar, vocabulary and idiom. Garner's Spanish Grammar (American Book Co.) is used as a text-book in grammar and composition.

**SECOND YEAR ITALIAN.**—The work in grammar and composition of the First year is continued, and composition in Italian on familiar topics is required. Constant practice is given in phonetic transcription and dictation, and in the understanding of unseen passages when read. Grandgent's Italian Composition (Heath & Co.) is used for additional work in composition, and Bowen's Italian Reader (Heath & Co.) is used for translation and oral practice. In the work of the Second year the use of a dictionary entirely in Italian is strongly recommended. Petrocchi's *Novo Dizionario Scolastico* (Milano, Fratelli Treves, price 7 francs) is suitable for this purpose. Students taking Italian as a *minor* omit free composition.

**SECOND YEAR SPANISH.**—The course in Spanish is parallel in scope, object and method with that in Italian of the Second year. Garner's Spanish Grammar (American Book Co.), Ford's Spanish Composition (Heath & Co.), and Loiseaux' Spanish Reader (Silver, Burdett & Co.) are used as text-books. Exercises in phonetic transcription, dictation, composition and sight translation similar to those in Italian are required. The use of a dictionary entirely in Spanish is strongly recommended. The *Diccionario Castellano, Campano Ilustrado* (Garnier, Paris, price 7 francs) is suitable for this purpose. Students taking Spanish as a *minor* omit free composition.

**THIRD YEAR ITALIAN.**—Attention is given to the systematic study of the history of literature from the origins to the end of the fifteenth century and to the interpretation of illustrative specimens of literature. Lectures on the subject are delivered, and Dante's *Vita Nuova* is read, together with copious extracts from Petrarca and Boccaccio and shorter extracts from a number of writers of subordinate importance. Practice is also given in the reading of modern Italian, in free composition in Italian, and in the translation of English into Italian. Students are required to provide themselves with Dante's *Vita Nuova* (ed. G. L. Passerini), Vol. I. of Torraca's *Manuale della Letteratura Italiana* (Firenze, Sansoni), and Collodi's *Occhi e Nasi* (Firenze, Bemporad). In the work of the Third year the use of a dictionary entirely in Italian is strongly recommended. Petrocchi's *Novo Dizionario Scolastico* (Milano, Fratelli Treves, price 7 francs) is suitable for this purpose. Students taking Italian as a *minor* omit composition in Italian, translation of English into Italian, and part of the work in literature.

**THIRD YEAR SPANISH.**—The course in Spanish is parallel in scope, object and method with that in Italian of the Third year. The period of literary history covered is that extending from the origins to Cervantes. Nineteen chapters of Cervantes' *Don Quijote* and illustrative extracts from a number of writers of subordinate importance are read. Practice is also given in the reading of modern Spanish, in free com-

position in Spanish, and in the translation of English into Spanish. Students are required to furnish themselves with Cervantes' *Don Quijote* (Kressner's edition, Renger, Leipzig, recommended), with the *Manual de Literatura de Giner de los Ríos, Primera Parte* (Madrid, Suarez), and with Valdés José (ed. Davidson, Heath & Co.). For the work of the Third year the use of a dictionary entirely in Spanish is recommended. The *Diccionario Castellano, Campano Ilustrado* (Garnier, Paris, price 7 francs), is suitable for this purpose. Students taking Spanish as a *minor* omit composition in Spanish, translation of English into Spanish, and part of the work in literature.

**FOURTH YEAR ITALIAN.**—The course is a continuation of that of the Third year, and similar methods are employed. Lectures are given on the history of the language, and on the history of literature from Ariosto, inclusive, to the present time. Considerable portions of Dante, Ariosto and Tasso are read, together with numerous illustrative extracts from writers of subordinate importance. Practice is also given in the reading of modern Italian. Students are required to provide themselves with Dante's *Divina Commedia* (ed. Fraticelli, Firenze, Barbèra, recommended), Vols. II. and III. of Torracca's *Manuale della Letteratura Italiana* (Firenze, Sansoni) and Manzoni's *I Promessi Sposi*. The use of a dictionary entirely in Italian is recommended. Petrocchi's *Novo Dizionario Scolastico* (Milano, Fratelli Treves, price 7 francs), is suitable for this purpose. Students taking Italian as a *minor* omit the history of the language, the reading of old Italian in connection therewith, and part of the work in literature.

**FOURTH YEAR SPANISH.**—The course in Spanish is parallel in scope, object and method with that in Italian of the Fourth year. The period of literary history covered is that extending from the beginning of the 17th century to the present time, with the addition of the history of the drama from its origin. Lectures on the history of the language are also given, and extracts from old Spanish are read in connection therewith. Dramas from the classical period are read, together with numerous illustrative extracts from writers of subordinate importance. Students are required to provide themselves with Lope de Vega's *La Estrella de Sevilla* (ed. Ford, Heath & Co.), Calderón's *La Vida es sueño* (ed. Kressner, Leipzig or ed. Lang, Heath & Co.), Tirso de Molina's *Don Gil de las Calzas Verdes* (ed. Bourland, Holt & Co.), *Manual de la Literatura, Giner de los Ríos, Primera Parte*, Gorra, *Lingua e Letteratura Spagnuola*, and Galdós' *Doña Perfecta* (ed. Marsh, Ginn & Co.) The use of a dictionary entirely in Spanish is recommended. The *Diccionario Castellano, Campano Ilustrado* (Paris, Garnier, price 7 francs), is suitable for this purpose. Students taking Spanish as a *minor* omit the history of the language, the readings in old Spanish, and part of the work in literature.



### Philosophy.

J. G. HUME, M.A., PH.D.....*Professor of History of Philosophy.*

A. KIRSCHMAN, M.A., PH.D.....*Associate Professor of Philosophy and  
Director of the Psychological Laboratory.*

F. TRACY, B.A., PH.D.....*Lecturer in Philosophy.*

A. H. ABBOTT, B.A.....*Lecturer in Philosophy.*

MISS M. DOWNING, B.A.....*Laboratory Assistant in Psychology.*

The work of this department is pursued during the Second, Third and Fourth undergraduate years. The course embraces logic, psychology, metaphysics, ethics and history of philosophy. In every case the work in philosophy of the general course is to be taken by honour students, and will be counted along with the honour work in determining their standing.

NOTE.—Essays are required in all subjects of the Department.

### LOGIC.

#### A. General Course:—

SECOND YEAR.—A course of lectures is given dealing with the scope and method of logic; the nature of deductive and inductive reasoning, and their relation to each other; the definition of terms; the laws of thought; the forms of the judgment and their mutual relation; the syllogism; the canons and methods of inductive inquiry; the detection and rectification of ambiguities in reasoning and logical fallacies. Exercises in logical problems are given from time to time and corrected. Books recommended: Creighton, *Introductory Logic*; Jevons, *Elementary Lessons in Logic*; Aikins, *Principles of Logic*; Fowler, *Inductive Logic*; Hyslop, *The Elements of Logic*.

#### B. Honour Course:—

SECOND YEAR.—In this course, by means of lectures and class-room discussion, honour students are introduced to the fundamental epistemological questions that underlie all logic. Reading: Creighton, *Introductory Logic*, Part III.; Bosanquet, *Essentials of Logic*.

THIRD YEAR.—A course is given in the study and criticism of Mill's *System of Logic*, the exposition of scientific methods, and the discussion of the philosophical presuppositions underlying theories of induction. The ground covered in the lectures of the general course will not be taken up here, but will be presupposed. Books recommended: Mill, *System of Logic*; Bradley, *Principles of Logic*; Bosanquet, *Logic*; Venn, *Empirical Logic*; Jevons, *Principles of Science*; Sigwart, *Logik*; T. H. Green, *Lectures on Logic*; Lotze, *Logik*; Bowne, *Theory of Thought and Knowledge*.

## PSYCHOLOGY.

*A. General Course:—*

SECOND YEAR.—The lectures are intended to introduce the student to the use of scientific method in psychology; the analysis of the facts of consciousness is used to reach an exact statement of present day problems, and the lectures discuss in their main outlines the problems of general psychology. Essays are required on the more important phases of the subject. Books recommended: Wundt, *Outlines of Psychology*, *Human and Animal Psychology*; Külpe, *Outlines of Psychology*; Titchener, *Outline of Psychology*, *Primer of Psychology*; Scripture, *The New Psychology*.

*B. Honour Course:—*

SECOND YEAR.—An introductory course on experimental psychology is given, dealing with the senses of taste and smell, and the dermal and kinæsthetic senses. Special attention is given to the psychophysical methods and their application. In this connection students are required to familiarize themselves with the elements of the infinitesimal calculus and analytical geometry. Books recommended: Wundt, *Outlines of Psychology*, *Human and Animal Psychology*; Ladd, *Elements of Physiological Psychology*; Külpe, *Outlines of Psychology*; Scripture, *The New Psychology*.

THIRD YEAR.—(a) General: The lectures deal with such special problems as: association, memory, attention, emotion, volition. Books recommended: Wundt, *Outlines of Psychology*, *Human and Animal Psychology*; Külpe, *Outlines of Psychology*; Bain, *Senses and Intellect*, *Emotions and Will*; James, *Psychology*; Baldwin, *Handbook*, *The Mental Development in the Child and the Race*; Ladd, *Psychology*, *Descriptive and Explanatory*; Sully, *the Human Mind*; Stout, *Analytic Psychology*; Tracy, *Psychology of Childhood* (6th ed.).

(b) Experimental: The lectures on experimental psychology (three hours per week) deal with the chief problems of contemporary psychology, in so far as they are accessible to exact experiment, special attention being devoted to the psychology of the higher senses (psychological optics and acoustics) and to the time relations of mental phenomena. The practical work (one to two hours per week) in the laboratory is designed to afford the student an opportunity to become familiar with experimental methods. There is no text-book for this course; but as recommended books may be mentioned: Wundt, *Physiologische Psychologie* (4th ed.); Ladd, *Elements of Psychology*; Wundt, *Human and Animal Psychology* (English translation by Titchener and Creighton); Titchener, *Manual of Experimental Psychology*; Külpe, *Outlines of Psychology*; Ribot, *German Psychology of To-day*; Sanford, *Laboratory Course*.

**FOURTH YEAR.**—The Fourth year work consists of experimental work in the laboratory. The students work in groups under the guidance of the director of the laboratory or his assistants, upon special experimental investigations. The subjects of these investigations, which are at the same time intended to lead to useful results and to make the students familiar with the nature and difficulties of exact research, are arranged at the beginning of the term. The students are required to acquaint themselves with the literature relating to their special subject, to keep a record of their investigations, and to hand in at the end of the Easter term a detailed statement of results obtained, and of their significance.

Graduates have full opportunity for independent investigations in the laboratory.

#### **METAPHYSICS.**

##### *Honour Course:—*

**SECOND YEAR:** Theory of knowledge.—Honour students are required to read Locke's *Essay on the Human Understanding*; Berkeley's *Principles of Knowledge*; and Hume's *Treatise on Human Nature*, Book I. They are required to write essays on subjects connected with these works, and to discuss and criticise them in the class. It is the aim of the lectures to assist the student in making the transition from observation and analysis of mental phenomena to the reflective consideration of the underlying philosophical principles. Books recommended: Fraser, *Selections from Berkeley*, Locke and Berkeley (*Blackwood's Series*); Green, *Introduction to Hume*, *Prolegomena to Ethics*, Book I.; Aikins, *The Philosophy of Hume*; Ward, *Psychology in Encyclopædia Britannica*, 9th ed.; Dewey, *Psychology*.

**FOURTH YEAR.**—Theories of knowledge and being. Several courses are given as follows: 1. A course of lectures setting forth the lecturer's views of the principles and methods of philosophical speculation, and showing the interrelation of logic, psychology, metaphysics and ethics. No text-books are prescribed in this course, but certain reading may be recommended from time to time in the lecture room. 2. A careful study of Aristotle's *Metaphysics*, and Kant's *Prolegomena*. Kant's *Critiques* will be studied in connection with the class in history of philosophy (see history of philosophy, IV. year). 3. Lectures on the chief problems of philosophy, as they have been dealt with by representative thinkers: (a) For 1904 they will be based upon the metaphysical works of Descartes, Spinoza, Leibnitz, Lotze, Wundt. (b) For 1905 these lectures will be based upon the works of Hamilton, Mansel, Comte, Mill and Spencer. 4. A seminary is held for the study of advanced metaphysical problems. 5. Lectures on metaphysics with special reference to the views of modern psychologists and natural philosophers.

In the seminaries papers are read and discussed by the members. Everything is done to encourage independent thinking on the part of the students. Graduates may become members of any of the seminaries in the department of philosophy by arrangement with the professor in charge.

# HISTORY OF PHILOSOPHY.

## A. General Course:—

FOURTH YEAR.—A course is given, intended as an introduction to the critical study of philosophy. The student is led to trace the development of philosophical speculation from the beginning of modern philosophy up to the time of Kant; to discover the relation of the various thinkers to one another; to estimate the contribution made by each; and to note how inadequacies and errors were subsequently met and corrected. Books recommended: Weber, Windelband, Falckenberg, Schwegler.

## B. Honour Course:—

THIRD YEAR.—Lectures are given on the history of ancient and mediæval philosophy. The chief centre of interest is the Platonic philosophy; but the Pre-Socratic and Post-Aristotelian periods are dealt with as fully as time permits; the former, as the essential prelude to the study of the Platonic philosophy; the latter, as showing the various directions in which its influence was felt in later times. The influence of Christianity on philosophic thought; the main features of scholasticism; and the preparation of the thinking world for modern philosophy are considered. Special attention is given to connecting links, and the relation of the thinkers to one another. An extra hour a week will be devoted to a more special study of some of the important Platonic Dialogues. Books recommended: Weber; Zeller; Ueberweg; Butler; Erdmann; Windelband; Ferrier; Schwegler; Benn; Tennemann; Burt; Mayor; Jowett's Plato; Grote's History of Greece (chapter on the sophists); Aristotle's works.

FOURTH YEAR.—(a) Pre-Kantian Period: Honour students will attend the lectures on this period given to the students of the general course (see above), and the class reading selections in metaphysics (see metaphysics Fourth year). Books recommended: Erdmann; Ueberweg. (b) Kant: The development of the Kantian philosophy, through the Critiques and Prolegomena, is followed. The Kritik der reinen Vernunft and the Kritik der Urteilskraft are carefully studied in the class, essays by the students, are read and discussed, and lectures are given on Kant's relation to previous philosophers, the significance of his new method, the various links in his system and the positive and negative elements in his philosophy. Books recommended: Caird; Watson; Morris; Stirling; Mahaffy and Bernard; Adamson; Vaihinger; Erd-



mann; Riehl. (c) Post-Kantian period: Lectures will trace the development of idealism after Kant, sympathetic and antagonistic. Special attention is given to Fichte, Schelling, Hegel, Schopenhauer, Von Hartmann, Herbert Spencer and Wundt.

A seminary in the history of philosophy is conducted for the reading and discussion of papers written by the students. Books recommended: (a) General Histories: Kuno Fischer; Windelband; Falckenberg; Ravaisson; Lewes; Morell; Külpe; Paulsen. (b) Special: On Hobbes, Croom Robertson; on Descartes, Kuno Fischer; on Spinoza, Pollock, Caird, Joachim; on Locke, Berkeley and Hume, Green, Frazer, Selby-Bigge; on Leibnitz, Dewey, Latta; on Scottish philosophy, Seth, Murray, Bowen, McCosh; on Kant (see above); on Fichte, Everett, Adamson; on Schelling, Watson; on Hegel, Wallace, Caird, Harris, Royce, Sterrett; on Spencer, Watson, Collins; on Schopenhauer and Von Hartmann, Bowen, Caldwell.

NOTE.—Candidates from St. Michael's College may substitute Lorimer's Institutes of Law for Kant's Ethics in the Fourth year; and also Aristotle's Ethics, Books I.-IV. in the original, and one of Plato's Dialogues in the original, for the experimental psychology in the Fourth year.

### Political Science.

JAMES MAVOR.....*Professor of Political Economy and Constitutional History.*

A. H. F. LEFROY, M.A.....*Professor of Roman Law.*

J. MCGREGOR YOUNG,, B.A.....*Professor of Constitutional and International Law.*

S. M. WICKETT, B.A., PH.D...*Lecturer in Political Economy.*

#### A. General Course:—

Lectures will be given as follows to those students who require to take Political Science in the general course.

THIRD YEAR.—*Constitutional History.* The elements of English constitutional history. Books for reference: Fielden's Constitutional History; Henderson's Historical Documents of the Middle Ages; Taswell-Langmead, Constitutional History of England; Bagehot, The English Constitution; Dicey, the Law of the Constitution.

FOURTH YEAR.—*The Elements of Political Economy.* The lectures, text-books and examinations are the same as those prescribed for students taking the Second year honour course. See below.

*Canadian Constitutional History.* See synopsis of this subject in honour course below.

#### B. Honour Course:—

The special subjects of study in the honour course in political science are economic history and theory, constitutional history, international

and constitutional law, jurisprudence, history and philosophy with special reference to the growth of political ideas. The honour course begins in the Second year in Arts and continues for three years.

Prior to entrance into the honour course in political science, candidates must have passed the honour examination of the First year in one or other of the following subjects: Latin; Greek; any two of the three languages, English, French, German.

**SECOND YEAR.—*Economics.*** The lectures give a general introduction to the study of modern political economy. The chief text-book is Marshall's *Principles of the Economics of Industry*, Vol. I. The following works will also be found useful: Bücher's *Industrial Evolution*, trans. S. M. Wickett; Gide's *Political Economy*; Smart's *Introduction to the Theory of Value*; Devas' *Political Economy*; Ely's *Introduction to Political Economy*; Mavor's *Economic History, Tables and Diagrams*.

*English Constitutional History to Magna Charta.* The chief topics are the hundred and county courts, the Witenagemot, the feudal system. The principal constitutional documents are required to be studied. A list of these documents is furnished to students. For reference, selected portions of Stubbs' *Constitutional History*, to be designated by the lecturer; Fielden's *Constitutional History*; Henderson's *Historical Documents of the Middle Ages*; *Introduction to Stubbs' Select Charters*; Freeman's *Growth of the English Constitution*; Bagehot's *English Constitution*; Wakeman & Hassall's *Constitutional Essays* (excepting Essay I.); Taswell-Langmead's *English Constitutional History*.

*Roman History to 266 B.C.* Mommsen, Books I. and II., and Fustel de Coulanges' *La Cité Antique*. See department of Classics.

*Mediaeval History to 1300.* See department of History.

***Mathematics.*** Special class in the elements of the infinitesimal calculus with elements of analytical geometry.

**THIRD YEAR.—*History and Criticism of Economic Theory.*** The course of lectures will present a systematic account of the development of the history of economic theory and a criticism of current economic theories of value, interest, rent, wages and international trade. The chief text-book for the work of the Michaelmas term is Ingram's *History of Political Economy*, and for the work of the Easter term, Marshall's *Principles of Economics*, Vol. I. Students are also expected to study Böhm-Bawerk's *Capital and Interest*, and *The Positive Theory of Capital* (transl. Smart); Wieser's *Natural Value*; Smart's *Introduction to the Theory of Value*. The following books will also be useful: Cossa's *Introduction to the Study of Political Economy*; Bonar's *Philosophy and Political Economy*; Nicholson's *Principles of Economics*; Keynes' *Scope and Method of Political Economy*, Chaps. 1-3, 7, 9. Bastable's *Theory of International Trade*, and *The Commerce of Nations*; Adam Smith's *Glasgow Lectures*, ed. Cannan; Adam Smith's *Wealth of Nations*, ed. Nicholson; Ricardo's *Works*, ed. Gonner.

In the lectures an outline is presented of the history of statistics, and methods of statistical tabulation are studied.

The chief text-books are:—Meitzen, *History, Theory and Technique of Statistics* (supp. vol. to *Annals of American Academy of Political and Social Science*), Philadelphia, 1891; and Bowley, *Elements of Statistics*. See also article, *Statistics* in *Encyclopædia Britannica*.

*For Reference:* Mayo-Smith, *Statistics and Sociology*; *ibid*, *Statistics and Economics*; The Statesman's Year Book; Block, *Traité théorique et pratique de Statistique*; Georg von Mayr, *Statistik und Gesellschaftslehre*; publications of Royal Statistical Society; publications of the American Statistical Association; Census Reports, and *Statistical Year-book of Canada*; reports of Ontario Bureau of Industries.

*Modern History, from 1300 to 1763.* See department of History.

*English Constitutional History from Magna Charta.* The lectures are in continuation of those of the Second year. They deal with the growth of parliament, and of responsible government. The books recommended are the same as those in the Second year.

*English Constitutional Law.* After a preliminary account of the nature of constitutional law in general and the distinctive features of the English constitution, the lectures will deal with the legislative, executive and judicial departments. The constitution, functions and privileges of the two Houses of Parliament; the Cabinet and its relation to the Crown and Parliament; the prerogatives; the conventions; the constitutional functions of the courts, and the position of the subject under English law, are the principal topics of the course. For reference:—Dicey's *Law of the Constitution*; Anson's *Law and Custom of the Constitution*; Hearn's *Government of England*; Traill's *Central Government*; Boutmy's *Studies*, Part I.; Bagehot's *English Constitution*; Broom's *Constitutional Law*; Burgess' *Political Science and Constitutional Law*; *Selected Statutes and Decisions*.

*Colonial Constitutional Law.* The lectures on this subject trace the sources of Colonial constitutional law; the prerogatives of the Crown in the constitution of colonial governments; different forms of government; colonies by occupancy; colonies by cession and conquest; powers of Parliament in respect to the colonies; conventional limitations arising from local self-government. For reference: Creasy's *Constitutions of the British Empire*; Forsyth's *Cases and Opinions on Constitutional Law*; Todd's *Parliamentary Government in the Colonies*, as far as page 318; Tarring's *Law in Relation to the Colonies*.

*History of English Law.* The history of the English law from the Roman Conquest until the Norman Conquest; the Roman occupation; the Saxon invasions; the laws of the Confessor; the change effected in the law, especially of real property, by the Conqueror and his successors,—the introduction or extension of the feudal system; the difference



between that system on the continent and in England; the creation of new tenures; the Great Charter and its frequent renewals, as showing the condition of the people, and the evils to be remedied; the great changes effected by the legislation of Edward I. and Edward III.; the creation of entailed estates; the struggle to obtain power to alienate them; legislation to restrict alienations in mortmain; the evasion of the law; the law giving power to devise lands, and the legislation of Elizabeth to prevent frauds upon creditors and purchasers; the abolition of feudal tenures by Charles II. The efforts in the reign of George III. to ameliorate the criminal law, and the English Statutes after 1792 that have their counterpart in our Colonial legislation are discussed and explained. For reference: Reeve's History of English Law; Pollock and Maitland's History of English Law; Hale's History of English Law; Blackstone's Commentaries; R. Storry Deane's Students' Legal History; a collection of English Statutes, and the Revised Statutes of Canada, and of Ontario.

*History of Roman Law.* The lectures on Roman private law comprise a sketch of the history of the law from the time of the decemviri to the death of Justinian, giving an account of the growth of the unwritten law, of judicial legislation to the suppression of the formulary system of Diocletian, and from that time to the death of Justinian, and treating of the statutory legislation during the Republic and under the Empire, and of the several attempts to form a code, finally terminated by the work of Justinian. The larger number of lectures is devoted to the substance of Roman law during the reign of Justinian. The law of testamentary succession, the various kinds of wills, the duties of the heir, the gift of legacies, and the history of trust gifts and codicils are explained. The remedial processes for the protection and enforcement of rights are traced from the *legis actiones*, the changes effected by the formulary system, the summary jurisdiction of the prætor, the abolition of the formulary system, terminating in the *extraordinaria cognitio*. The series is closed by a discussion of the law as to specific performance of contracts; of the law as to frauds upon creditors; and an examination of the influence of Christianity upon Roman legislation. For reference: Muirhead's Historical Introduction to the Private Law of Rome; Sandar's Justinian; Institutes of Gaius, translated by Muirhead. The Digest, the Code, and the Novels should be consulted. Merivale's History of the Romans; Sohm's Institutes of Roman Law (Ledlie's translation).

FOURTH YEAR.—*Economic History.* The lectures will trace economic history from the early middle ages down to modern times, with special reference to England. Books recommended: Ashley's Economic History, Parts I., II.; Toynbee's The Industrial Revolution; Seebohm's English Village Community; Vinogradoff's Villenage in England; Gomme, The Village Community; Gross' Gild Merchant, Chaps. 1-4;



Rogers' *Six Centuries of Work and Wages*, Chaps. 1-6, 8-10; Cunningham's *Growth of English Industry and Commerce* (ed. 1890); Marshall's *Principles*, Book I., Chaps. 2, 3; Jevons' *State in Relation to Labour*, Chaps. 3, 4, 6, 7; Fowle's *Poor Law*, Chaps. 1, 3, 4; D. A. Wells' *Recent Economic Changes*; Ely's *Labour Movement in America*, Chaps. 3, 4; Webb's *History of Trade Unionism*; Menger's *Right to Labour*.

*Public Finance.* The lectures will deal with national and local finance, and with important questions of modern economic policy. They will discuss, among other topics: the history of public finance and of financial science; the currency and banking systems of Great Britain, Canada and the United States; public debts and the policy of national and local governments in relation to them; methods of extinction and conversion of debt; sinking funds; public domain—lands, forests, minerals; railroad policy, its history in Europe and America; principles of taxation; incidence of taxation; tariff policy—outline of its history in Great Britain, Canada and the United States; local taxation in Canada and the United States. Books recommended: Bastable's *Public Finance*; Bastable's *The Theory of International Trade*; Seligman's *The Incidence of Taxation*; Seligman's *Essays in Finance*; Elliott's *The Tariff Controversy in the United States*; Cossa's *Taxation*; Dunbar's *Theory and History of Banking*; Walker's *Money, Trade and Industry*; Adams' *Public Debts*; Ely's *Taxation*; Hadley's *Railroad Transportation*; Mavor's *English Railway Rates*; Bagehot's *Lombard Street*; Jevons' *Money*; Leroy-Beaulieu's *Science des Finances*, Livre II., Chaps. 4, 5, 9, 10; Giffen's *Essays in Finance*, first series, IX.; Taussig's *Tariff History of United States*.

*Modern History from 1763 to the present time.* See department of History.

*Political Philosophy.* History and criticism of political theories. The following are recommended for study: Sidgwick's *Elements of Politics*; Pollock's *History of the Science of Politics*; Bonar's *Philosophy and Political Economy*; Ritchie's *Principles of State Interference*; Seeley's *Introduction to Political Science*; Mackenzie's *Introduction to Social Philosophy*.

*General Jurisprudence.* In lecturing on this subject, the attention of the student is directed to the definition and analysis of *law* and of *rights*, to the sources of law, to the classification of rights, to the consideration of antecedent rights *in rem* and *in personam*, to remedial rights, to adjective private law, to the nature of public law and its various divisions, to international law, and to the application of law. Students are recommended to read the following books: T. E. Holland, *Elements of Jurisprudence*; Austin's *Elements of Jurisprudence* (Campbell's Students' edition); Sir H. Maine, *Ancient Law*, and in his *Lectures XII.*,

XIII., Early History of Institutions. They may also refer to Sir W. Markby, *Elements of Law*; O. W. Holmes, *Common Law*; Sir F. Pollock, *First Book of Jurisprudence*; Sir H. Maine's works so far as not above specified.

*Public International Law.* The opposing views as to the nature and methods of international law are first considered, and the development of the modern system briefly traced. The fundamental principles of modern international law are discussed and such topics as intervention; The European concert; The Monroe doctrine; and the debatable rights and duties of neutrals receive especial consideration. Current questions are examined by way of illustration. The books for reference are Hall, Wheaton (Boyd's ed.); Lawrence; Walker; Kent; Wharton's Digest; Phillimore and the *Encyclopedia of English Law*.

General Jurisprudence and Public International Law together are alternative to the honour History of Philosophy of the Fourth year, for which see department of Philosophy.

*Federal Constitutional Law.* The lectures deal with the essential features of federal government in a comparative view of the federal States. Special attention is given to the constitutions of Canada and the United States. The sources of the American constitution; its principal provisions; its checks and balances; the operation of usage and judicial interpretation, and its practical working are considered.

The lectures upon the Canadian constitution are addressed mainly to the decisions upon the British North America Act, with special reference to the distribution of legislative power. References:—Clement's *Constitution of Canada*; Lefroy's *Legislative Power*; Houston's *Constitutional Documents*; Todd's *Parliamentary Government in the Colonies*, p. 318 to the end; Cartwright's *Cases on the B. N. A. Act*; Cooley's *Principles of Constitutional Law*; Bryce's *American Commonwealth*; Boutmy, Parts 2 and 3; Woodrow Wilson's *Congressional Government*; Miller, Story, Hare and Pomeroy on the *Constitution of the United States*.

*Canadian Constitutional History.* Character of French settlement; nature of European claims to territory; government by trading companies; growth of rule by colonial policy as distinguished from trading company policy; establishment of provincial organization in 1663; the sovereign council; growth of the superior council; local government; land tenures; church and state; the conquest; treaty of Paris; English colonial policy; struggle for responsible government; growth of parties in Upper and Lower Canada; Lord Durham's Report; Union Act; Quebec conference; confederation; relation of Dominion to Great Britain; relation of Provinces to Dominion; comparison of B. N. A. Act with constitutions of United States and of England; growth of local government in Ontario. A list of the principal constitutional

documents which are required to be studied will be furnished to students. For reference: Bourinot's Constitutional History of Canada; Ashley's Earlier Constitutional History of Canada; Parkman's works with special reference to the Old Régime; Biggar's Early Trading Companies of New France; Munro's Constitution of Canada; Story's Introduction to Constitution of the United States; Houston's Canadian Constitutional Documents; Christie's History of Lower Canada; Kingsford's History of Canada; McEvoy's The Ontario Township (University of Toronto Studies in Political Science, first series, No. 1); Wickett, City Government in Canada (University of Toronto Studies in Economics and History).

*Term Work in Honours.* The following term work is required in subjects to be prescribed by the Professor of Political Economy and Constitutional History:—

SECOND YEAR: Two essays in each term, in all four essays; and also a term examination to be held before or shortly after Christmas vacation.

The first term essay of the Second year may be written during the preceding summer vacation. The essay is to be not more than 3,000 words and must treat of the industrial conditions, or some phase of those conditions, of the locality in which the student resides. The object of the essay is to lead the student to careful research. Authorities must be noted in every instance.

THIRD YEAR: Two essays in each term, in all four essays; and also a term examination to be held before or shortly after Christmas vacation.

FOURTH YEAR: Two essays in each term, in all four essays, and also a term examination to be held before or shortly after Christmas vacation.

In each year such term work and examination count for honours as one paper in the annual examination.

*Summer Economic Work.* Students in political science are advised to study economic conditions in the localities where they reside during vacation. For the encouragement of summer economic work of this nature the Political Science Club offers for 1902 two prizes in books of the value of \$10 and \$5. Essays must be handed in to the Honorary President of the Club by the 15th of November.

The departmental Library in Economics is open under certain conditions to all honour students in the department of Political Science. Tutorial classes in economics and in constitutional history are held several times each week during the Michaelmas and Easter terms. Facilities for research are afforded to senior students and also to graduates who desire to prosecute the study of any of the subjects in the department.

COLLEGE SUBJECTS.

Greek and Greek History.

UNIVERSITY COLLEGE:

MAURICE HUTTON, M.A., LL.D. *Professor of Greek.*

A. CARRUTHERS, M.A. *Lecturer in Greek and Greek History.*

VICTORIA UNIVERSITY:

A. R. BAIN, M.A., LL.D. *Professor of Ancient History.*

J. C. ROBERTSON, B.A. *Professor of the Greek Language and Philosophy.*

A. L. LANGFORD, M.A. *Associate Professor of Greek Literature.*

*(The division of the examination papers given below in Greek and Latin has been recommended to the Senate by the professors for insertion in the instructions to examiners.)*

The examination papers in the First year will be distributed as follows: 1. Greek Grammar (half paper). 2. Greek Prose. 3. Greek Sight Translation (half paper). 4. Greek History (half paper). 5. Homer (general, Lysias and Lucian. 6. Herodotus and Homer (honour).

The examination papers in the Second year will be distributed as follows: 1. Greek Grammar (half paper). 2. Greek Prose. 3. Greek Sight Translation (half paper). 4. Greek History (half paper). 5. Euripides and Plato. 6. Sophocles, Aristophanes and Thucydides.

The examination papers in the Third year will be distributed as follows: 1. Grammar and Philology (half paper). 2. Greek Prose. 3. Greek Sight Translation (half paper). 4. Greek history and the History of Greek Ethics up to Aristotle (half paper). 5. Plato. 6. Aristotle. 7. Thucydides, Homer and Theocritus. 8. Aristophanes, Sophocles and Pindar.

The examination papers in the Fourth year will be distributed as follows: 1. Greek Prose. 2. Greek Sight Translation. 3. Plato and Aristotle's Ethics. 4. Thucydides (two-thirds of the paper) and Herodotus. 5. Æschylus, Homer and Theocritus. 6. Aristotle, Poetics, with the other books prescribed therewith (translation and questions) (half paper). 7. Aristotle, Politics, IV., V., with the books prescribed therewith (*vide* paragraph (9) in the Greek course, p. 115) or Descriptive and Comparative Syntax (*vide* paragraph (8) in the Latin course, p. 115). 8. Greek History and general outlines of Greek Philosophy up to Aristotle (inclusive), and Aristotle's Politics, Book II.

A course of lectures on Greek Archæology, including sculpture, painting, vases and architecture, will be given during the session at such hours and in such room as may be decided upon.



### Latin and Roman History.

#### UNIVERSITY COLLEGE:—

J. FLETCHER, M.A., LL.D. . . . . *Professor of Latin.*

W. S. MILNER, M.A. . . . . *Lecturer in Latin and Roman History.*

G. W. JOHNSTON, B.A., PH.D. . . *Lecturer in Latin.*

#### VICTORIA UNIVERSITY:—

A. J. BELL, M.A., PH.D. . . . . *Professor of Latin.*

A. R. BAIN, M.A., LL.D. . . . . *Professor of Ancient History.*

The examination papers for honours in this department will be distributed as follows:—

FIRST YEAR.—1. Latin Grammar (half paper). 2. Latin Prose. 3. Latin Sight (half paper). 4. Roman History (half paper). 5. Virgil and Cicero (*Philippic II*). 6. Horace and Cicero (*Pro Milone* and *Pro Murena*).

In case Pelham's Outlines of Roman History is out of print, students are recommended for the year 1903-4 to procure "The Essentials of Ancient History," published by The American Book Company.

SECOND YEAR.—1. Latin Grammar (half paper). 2. Latin Prose. 3. Latin Sight (half paper). 4. Roman History (half paper). 5. Livy and Tacitus. 6. Virgil, Horace and Catullus.

THIRD YEAR.—1. Grammar and Philology. 2. Latin Prose. 3. Latin Sight (half paper). 4. Roman History (half paper). 5. Roman Satire. 6. Virgil, Plautus and Terence. 7. Tacitus and Cicero (with the outlines of the Stoic and Epicurean Philosophy).

FOURTH YEAR.—1. Latin Prose. 2. Latin Sight. 3. Roman History. 4. Sallust, Cicero, Tacitus, etc. 5. Lucretius and Virgil. 6. Quintilian (with the History of Roman Poetry) (half paper). 7. Cicero, *De Finibus* and *Academica* (with the History of Post-Aristotelian Philosophy). 8. Comparative Syntax (for those who do not take Aristotle's Politics, Books I. and III.).

### English.

#### UNIVERSITY COLLEGE:

W. J. ALEXANDER, B.A., PH.D. . . . *Professor.*

D. R. KEYS, M.A. . . . . *Lecturer.*

#### VICTORIA UNIVERSITY:

A. H. REYNAR, M.A., LL.D. . . . . *Professor.*

L. E. HORNING, M.A., PH.D. . . . . *Professor of Old English.*

A. E. LANG, B.A. . . . . *Associate Professor of Rhetoric.*

#### A. General Course:—

FIRST AND SECOND YEARS.—An attempt is made to develop the understanding and appreciation of literature through the study of two plays of Shakespeare in the First year, and of selected poems of nineteenth century writers in the Second year. Students are expected, in the case of Shakespeare, to master for themselves the explanatory notes of some good edition, such as the Clarendon Press or Rolfe's.

Composition is taught in connection with the study of prose literature. The methods of the various forms of composition are investigated in selections from good writers. An original essay on a subject set by the instructor is required of each student on or before each of the following dates: October 31st, December 15th, February 1st, and March 15th. If any articles or books are read in preparation for such essays, the titles of these and the parts specially made use of must be definitely specified in each essay. The marks assigned for these four essays count as term work at the final examination (80 marks out of 200).

**THIRD AND FOURTH YEARS.**—In these years the literature of a period is studied, and an attempt is made to enable the student not only to appreciate and understand the individual works selected, but also to grasp their relation to one another, and the way in which they give expression to the personality of the writer and the tendencies of the time.

*B. Honour Course:—*

The work prescribed in the general course is also incumbent upon honour students, but a fuller and more advanced knowledge is expected than in the case of general students. The marks assigned for compositions during the term will count as one paper at the annual examinations.

The special honour work is intended to broaden the knowledge and deepen the insight which the student may acquire in the general work. In the Third year, besides additional work in the period prescribed in the general course, the study of old English is begun. In the Fourth year this last-mentioned work is continued, and a course on historical grammar is given. In literature, the student is expected to make a minute study of certain typical works, and to extend his acquaintance with the period by a careful reading of other prescribed books. The class work is devoted partly to a special examination of the prescribed selections, partly to an exemplification by lectures of the general characteristics of the various writers and periods.

**French.**

**UNIVERSITY COLLEGE:**

J. SQUAIR, B.A.....*Professor.*

J. H. CAMERON, M.A.....*Lecturer.*

SAINT-ELME DE CHAMP B. ÈS L.....*Special Instructor.*

**VICTORIA UNIVERSITY:**

PELHAM EDGAR, B.A., PH.D.....*Professor.*

EUGÈNE MASSON.....*Instructor.*

*A. General Course:—*

In all the years special stress will be laid on grammar, pronunciation and translation into French, commencing in the First year with simple exercises in each of these subjects, and continuing with those of a more

difficult character to the end of the Fourth year. In the First and Second years, particular attention will also be paid to careful translation from French into English; a short text in modern French will be read in class in each of these years. In the Third year the prose texts, and in the Fourth year the poetical and dramatic texts, belonging to various periods, which have been prescribed by the University, will be read and will be illustrated by such critical and historical lectures as may be necessary for their proper understanding and appreciation.

*B. Honour Course:—*

As in the general course, special stress will be laid, in all the years, on grammar, pronunciation and translation into French. In addition to these subjects there will, in the honour course, be regular and continuous exercises in conversation and composition in French during the Second, Third and Fourth years. The study of literature will begin in the Second year, the period for this year being the seventeenth century; the eighteenth century will be studied in the Third year, and the nineteenth century in the Fourth year. In each year appropriate critical and historical lectures will be given for the purpose of aiding students thoroughly to understand and appreciate the works, belonging to each period, which are prescribed by the University. During the Third and Fourth years, students are recommended to read systematically some good grammar of the French language. In these two years, also, lectures will be given on the history of the French language, the lectures to be illustrated in the Third year by a selection from the *Chanson de Roland*. Students of the Fourth year will be encouraged to undertake the independent study of topics in connection with the history of the language and literature.

The following dictionaries are recommended for the use of students: P. Larousse, *Dictionnaire Complet Illustré*; J. Bellows, *Dictionary—French and English, English and French*; F. E. Gase, *A concise Dictionary of the French and English languages*.

### German.

UNIVERSITY COLLEGE:

W. H. VANDERSMISSEN, M.A. .... *Professor*.

G. H. NEEDLER, B.A., PH.D. .... *Lecturer*.

P. TOEWS, M. A., PH.D. .... *Instructor*.

VICTORIA UNIVERSITY:

L. E. HORNING, M.A., PH.D. .... *Professor*.

A. E. LANG, B.A. .... *Associate Professor*.

The courses in this subject comprise (1) the study of the literary language of classical authors of the 18th and 19th centuries; (2) practice in writing and speaking German as illustrative of and a means to the above-mentioned end; (3) the history of German literature; and (4) for the honour courses the elements of the history of the language.

*A. General Course:—*

Practice in dictation, translation into German, and exercises in translation at sight, will be regularly given.

Students of the Third and Fourth years will read carefully the texts prescribed, and will have more advanced work in grammar, composition and sight translation. An outline of the literature prescribed will be given in lectures.

*B. Honour Course:—*

(a) Exercises in grammar and sight translation will be regularly given, as well as exercises in translation into German.

(b) Similar exercises of rather more advanced character will be given in the Second year. Students will also read carefully the texts prescribed.

In both the First and Second years an outline of literature as prescribed will be given in lectures.

(c) Honour students of the Third and Fourth years are expected to be familiar with the works of the modern authors prescribed, and lectures on the literature of the respective periods will be given, with illustrative references to the authors read.

In both Third and Fourth years exercises in sight translation, dictation, grammar and translation into German will receive much attention. Original essays in German will be required from time to time. Practice will also be given in conversation.

(d) In the Fourth year an outline of the history of the language will be given, according to a syllabus to be agreed upon by the instructors. The elements of Middle High German grammar and literature will be studied with special reference to the works prescribed.

**Oriental Literature.**

**UNIVERSITY COLLEGE:**

J. F. MCCURDY, PH.D., LL.D.....*Professor.*

R. G. MURISON, M.A., B.D., PH.D.....*Lecturer.*

**VICTORIA UNIVERSITY:**

J. F. McLAUGHLIN, M.A., B.D.....*Professor.*

A. P. MISENER, M.A.....*Lecturer.*

The Oriental course has the main object of affording an introduction to the study of the Semitic languages and literature and of Semitic history. On account of the importance of the literature of ancient Israel, the Hebrew language and the Old Testament in the original are made very prominent throughout the course, being taught in all the years and occupying almost as much time as all the other languages taken together. The aim of the course, more definitely, is to give the



student a competent knowledge of the Hebrew text of the Bible and of the literature and history of the Semitic peoples. These ends are kept in view in the general course as well as in the honour lectures.

For purely linguistic study the general course is confined to Hebrew and Biblical Aramaic, and is so arranged that, with two or three lectures a week throughout the four years, the student may gain some familiarity with the different kinds of literature in the Old Testament: narrative, historical, prophetic and poetical. The honour course secures in its Hebrew department an intimate familiarity with the language and literary features of the Old Testament in all its divisions, and at the same time introduces the learner to the other important languages of the Semitic family. In the Second year of the curriculum, which begins the honour course, the Aramaic is taken up in its two dialects, East and West Aramaic; in the third year Arabic is the subject of study; and in the Fourth year the student is made acquainted with the Assyrian in the original cuneiform texts. In all the years care is taken not only to impart an exact knowledge of linguistic forms, but also to convey an accurate idea of the genius of the Semitic race and of the several peoples among them who in succession helped materially in the education of the world.

Thus, while philology is duly studied for its own sake and as an indispensable instrument of research, the whole tendency of the discipline is to make it subservient to the higher ends of literary and historical culture. The Oriental seminary room is well provided with maps and other illustrative material; and the library, although so lately founded, has already one of the best selections of Semitic literature, including inscriptional works, to be found in America.

*Books Required for Term Work:* Davidson's Hebrew Grammar; Davidson's Hebrew Syntax; Driver's Hebrew Tenses; Davies' Hebrew Lexicon; Text of Old Testament with Massoretic Clavis; Brockleemann's Syriac Grammar and Chrestomathy; Socin's Arabic Grammar and Chrestomathy; Baer and Delitzsch's Texts of Daniel and Ezra with Paradigms; King's First Steps in Assyrian; Delitzsch's Assyrian Grammar; Winckler's Assyrische Keilschrift-Texte; Zimmern's Vergleichende Grammatik der Semitischen Sprachen; Robertson's Old Testament and its Contents; Driver's Literature of the Old Testament; McCurdy's History, Prophecy and the Monuments; Murison's Babylonia and Assyria; Articles in the Encyclopædia Britannica on Hebrew Language, Semitic Languages, Arabic Literature, Septuagint, Targum.

*Books Recommended for Reference and Special Study:* The Hebrew Grammars of Green, Strack, Koenig, Gesenius, Stade; Brown's Gesenius' Hebrew Lexicon; Noeldeke's Syrische Grammatik; Brockleemann's Lexicon Syriacum; Wright's Arabic Grammar; Arabic Lexicons of Lane, Wortabet and Belot; Renan's Histoire des Langues sémitiques; Wright's Comparative Grammar of the Semitic Languages; G. A. Smith's His-

torical Geography of the Holy Land; Babelon's Manual of Oriental Antiquities; Duncker's History of Antiquity, Vols. IV.-VI.; Meyer's Geschichte des Alterthums; Maspero's Life in Ancient Egypt and Assyria; Ragozin's Chaldæa and Assyria; Rawlinson's History of Phœnicia, and Five Great Monarchies (Archæological chapters); Kaulen's Assyrien and Babylonien; Schrader's Cuneiform Inscriptions and the Old Testament; Price's The Monuments and the Old Testament; Bypaths of Bible Knowledge; articles on Semitic literature and antiquities in the Encyclopædia Britannica, especially: Alphabet, Arabia, Asia Minor, Babylonia, Bible, Canaanites, Canon, Egypt, Hittites, Inscriptions, Jerusalem, Mesopotamia, Midrash, Mishnah, Mohammedanism, Nineveh, Palestine, Phœnicia, Samaritans, Syriac Literature, Talmud, Hasting's Dictionary of the Bible, Encyclopædia Biblica.

### Ethics.

UNIVERSITY COLLEGE:

J. G. HUME, M.A., PH.D.....*Professor.*

VICTORIA UNIVERSITY:

F. I. BADGLEY, M.A., B.D., LL.D.....*Professor.*

#### *A. General Course:—*

THIRD YEAR.—(a) Theory of obligation: lectures on the scope and methods of ethics, the relation of moral philosophy to natural science, the moral ideal, personality, instinct, desire, motive, volition, freedom of the will, conscience, duty, responsibility, sensational theories, intuitionist theories, transcendental theories, relation of ethics to theoretical philosophy, political economy and religion. Essays will be written by members of the class, and examinations held during the term. Books recommended: Hyslop, Browne, Seth, Muirhead, Calderwood, Part I., Chaps. I.-IV.; Green, Prolegomena to Ethics, Book II. (b) History of ethics: The lectures cover the ground from Hobbes to the present time. Attention is given to fundamental standpoints rather than to details of doctrine. The interrelation of the various historical phases of ethical thought are considered, the development of cardinal doctrines followed, and the chief representatives of the leading schools expounded. Books recommended: Sidgwick, History of Ethics; Bain, Moral Science; Watson, Hedonistic Theories.

#### *B. Honour Course:—*

THIRD YEAR.—(a) Theory of ethics: The students in this course will make, under the guidance of the professor in charge, a special and careful study of Green's Prolegomena to Ethics. Lectures will be given to assist in the exposition, explanation and estimation of Green's position. (b) History of ethics: This course is supplemental to, and given in connection with, the general course on the history of ethics.

The aim of the lectures is to set in a clear light the real significance of the problems occupying the attention of moralists, and to estimate the solutions that have been offered for these problems. Books recommended: Martineau, *Types of Ethical Theory*; Butler's *Sermons*; Mill, *Utilitarianism*; Spencer, *Principles of Morality*; Janet, *Theory of Morals*; Sidgwick, *Methods of Ethics*; Jodl, *Geschichte der Ethik*; Courtney, *Constructive Ethics*; Sorley, *the Ethics of Naturalism*; D'Arcy, *Short Study of Ethics*; Fairbrother, *Philosophy of T. H. Green*; Mackenzie, *Manual of Ethics*; Paulsen (Trans. Thilly). (c) Applied ethics: The class will meet once a week for the reading and discussion of papers written by members of the class. In these essays an attempt will be made to apply ethical principles to the investigation of social problems, such as temperance, charity, socialism, etc. Books recommended: Spencer, *Man vs. State*; Ritchie, *Principles of State Interference*; T. H. Green, *Lectures on Political Obligation*, A. M. N., in Vol. II.; J. G. Hume, *Value of a Study of Ethics, Political Economy and Ethics, Socialism*.

FOURTH YEAR.—In this year the honour students will be expected to make a thorough study of representative ethical writers of ancient and modern times, and also to undertake independent investigations into social problems of the present time, requiring for their solution the application of ethical principles: Aristotle, *Nicomachean Ethics*; Kant, *Grundlegung zur Metaphysik der Sitten*, *Kritik der praktischen Vernunft*, Sidgwick, *The Methods of Ethics*. Essays: Application of ethical principles in the examination of Problems in Political Economy, Sociology and Criminology.



UNIVERSITY COLLEGE.



## University College.

University College is, since the Federation Act of 1887, the complement, in the system of higher education provided by the State, of the University of Toronto. The State furnishes through University College instruction in those departments of the Arts Course in which it does not furnish instruction through the University. These departments are Greek, Latin, Ancient History, English, French, German, Oriental Languages and Ethics.

For the Faculty of University College, *vide* p. 20 above.

### University College Council.

#### THE PRINCIPAL.

|                      |                          |
|----------------------|--------------------------|
| PROFESSOR MCCURDY.   | PROFESSOR VANDERSMISSEN. |
| PROFESSOR ALEXANDER. | PROFESSOR SQUAIR.        |
| PROFESSOR HUME.      | PROFESSOR FLETCHER.      |

*Registrar*.....JAMES BREBNER, B.A.

*Superintendent of Women Students*....MISS SALTER.

### Enrolment of Students.

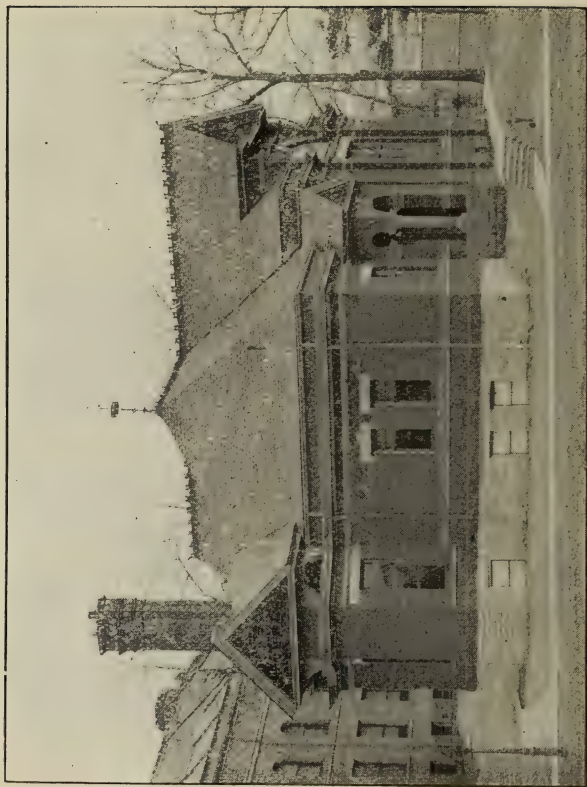
All students of the University proceeding to a degree in Arts are required to enroll themselves in University College or in Victoria University.

The conditions precedent to enrolment in University College are determined by the Council of the College. Every student of the College must either be an undergraduate of the University (*vide* p. 84, Sec. 38), or, if he be an occasional student, must satisfy the College Council that he has sufficient knowledge of the subject in which he proposes to attend College lectures to do so with advantage.

### Discipline.

The College has full control of its students so far as concerns their attendance upon lectures in the courses provided by the College, and their admission to the University examinations. No student of the college will be received by the University for examination without a certificate from the College that he has complied with its regulations.





UNIVERSITY COLLEGE Y.M.C.A. BUILDING.

### Student Societies.

Various societies and associations, both of young men and of young women, have been organized for the promotion of Christian effort, social intercourse, literary and scientific activity. The Young Men's Christian Association has a building especially devoted to its purposes, in which a devotional meeting is held every Thursday, and a public meeting every Sunday, at which latter addresses are delivered by prominent Christian workers. There is also a Young Women's Christian Association, which meets weekly. The Literary and Scientific Society, whose membership is made up of male students, holds weekly meetings for discussion, the reading of essays, etc. The Women's Literary Society has similar aims and methods. Besides the above, there are several associations for the encouragement of special branches of study. These are the Classical Association, the Modern Language Club, the Oriental Association, etc. A paper devoted to literature and college news is published weekly, its staff consisting of representatives from various sections of the undergraduate body. For lists of officers of the various societies, see Appendix, p. 48.

### Lodging and Board.

Lodging and board are readily obtainable in numerous private boarding-houses within convenient distance of the University at a cost of from three dollars upwards for comfortable lodging with board; or rooms may be rented at a cost of from one dollar per week upwards, and board obtained separately at moderate rates. A list of accredited boarding-houses is kept by the Secretary of the University College Young Men's Christian Association, and students are recommended to consult him with reference to the selection of suitable accommodations. Board may be also obtained at moderate rates in the University dining hall.



## Regulations Relating to Students, Terms and Examinations.

1. Students entering University College are required to produce satisfactory certificates of moral character and previous good conduct.

2. No student will be enrolled in any year, or be allowed to continue in attendance, whose presence for any cause is deemed by the Council to be prejudicial to the interests of the College.

3. Matriculated students are required to attend the courses of instruction and examinations in all subjects prescribed for students of their respective standing, and no student will be permitted to remain in the College who persistently neglects academic work.

4. The certificate required for admission to the University examinations will not be granted to students who have been reported to the Council for not conforming to the College regulations, or for improper conduct of any kind.

5. Matriculated students are required to reside, during the period of their attendance on lectures, in houses selected by their parents or guardians, or approved by the College Council.

6. Men and women students, unless members of the same family, are not permitted to reside in the same lodging-houses.

7. Women students are under the supervision of the Lady Superintendent, whose directions as to conduct are to be observed.

8. All interference on the part of any student with the personal liberty of another, by arresting him or summoning him to appear before any tribunal of students, or otherwise subjecting him to any indignity or personal violence, is forbidden by the Council. Any student convicted of participation in such proceedings will forfeit the certificate required for admission to the University examinations, and will render himself liable to expulsion from the College.

9. A student who is under suspension, or who has been expelled from the College or University, will not be admitted to the University buildings or grounds.

10. The constitution of every College society or association of students and all amendments to any such constitution must be submitted for approval to the College Council. All programmes of such societies or associations must, before publication, receive the sanction of the Council. Permission to invite any person not a member of the Faculty of the University College to preside at or address a meeting of any society or association must be similarly obtained. Societies and associations are required to confine themselves to the objects laid down in their constitution.

11. The name of the College is not to be used in connection with a publication of any kind without the permission of the College Council.

12. Occasional students may be admitted to lectures on application to the Principal.

13. Certificates of attendance on lectures in any department during an academic year may be given to occasional students who have been regular in their attendance, and who have also passed the examinations in such department.

14. All undergraduates are expected to wear the prescribed academic costume within the class rooms and buildings.

## Scholarships.

### A. Matriculation Scholarships.

THE MCCAUL Scholarship in Classics, of the value of \$75, together with free tuition (under the usual conditions, *vide* p. 71) for *four years*, awarded at matriculation: founded in honour of the first President and Professor of Classics in University College.

THE WILLIAM DALE Scholarship in Classics, of the value of \$60, together with free tuition (under the usual conditions, *vide* p. 71) for *three years*, awarded at matriculation: founded by the first Associate Professor of Latin.

THE GOLDWIN SMITH Scholarship in Classics, of the value of \$50, together with free tuition (under the usual conditions, *vide* p. 71) for *two years*, awarded at matriculation: founded by Goldwin Smith, M.A., D.C.L.

Each of these scholarships is tenable together with a Blake Scholarship, always providing that the winner be in First Class Honours in Classics at Matriculation, and becomes and continues to be a registered student of University College in attendance upon its lectures.

In the event of no eligible candidate being forthcoming at Matriculation for any of these scholarships, the unawarded scholarship shall be held over till the year following, when two scholarships will be offered.

The William Dale and Goldwin Smith Scholarships were awarded for the first time in 1900, and the McCaul Scholarship was awarded for the first time in 1901.

### B. Undergraduate Scholarships.

The following scholarships have been founded and endowed in University College, and are open for competition among the students in actual attendance in the College:—

THE WILLIAM MULOCK Scholarship in Classics in the Second year, of Classics in the First and Third years respectively, founded by subscription in honour of the late Hon. Chief Justice Moss.

THE MOSS CLASSICAL Scholarships, two of the value of \$60 each, in

the value of \$60, the gift of the Hon. Sir William Mulock, M.A., LL.D., for many years Vice Chancellor of the University.

THE EDWARD BLAKE Scholarship in Modern Languages in the First year, of the value of \$60, the gift of the Hon. Edward Blake, formerly Chancellor of the University.

THE GEORGE BROWN Scholarship, in Modern Languages in the Second year, of the value of \$60, founded in honour of the late Hon. George Brown.

THE JULIUS ROSSIN Scholarship, in Modern Languages in the Third year, of the value of \$60, the gift of Julius Rossin, M.A., Hamburg, Germany.

THE JOHN MACDONALD Scholarship, in Philosophy in the Third year, of the value of \$50, the gift of the late Hon. John Macdonald.

THE KNOX COLLEGE Scholarships, in Oriental Literature, of the value of \$45 and \$60, are offered by the Senate of Knox College, to be competed for by students of the Second and Third years respectively, who shall be in actual attendance in University College, and intend to enter the theological classes of Knox College.

### C. Prizes in Books.

THE FREDERICK WYLD Prize, the gift of F. Wyld, Esq., of the annual value of \$25, for English Composition, is open for competition among all students of the Third and Fourth years in attendance on lectures.

THE FRENCH PROSE Prize, of the annual value of \$10, for French Composition, is open for competition among students of all years in attendance on lectures in University College. The books awarded may be chosen by the winner after consultation with the staff in French.

### D. Medals.

Medals are offered for competition to undergraduates in the following departments in actual attendance as students in the College:—

CLASSICS (in the Fourth year).

The McCaul Medal (Gold), established in 1886 by the late W. H. C. Kerr, Gold Medallist in Classics of 1859, in memory of the Rev. John McCaul, LL.D., First Professor of Classics and First President of University College. It was presented by Mr. Kerr from 1886 up to his death, and from 1891 to 1894, after his death, by his widow. Since then the donors have been in 1895 John Hoskin, K.C., LL.D., Chairman of the Board of Trustees; in 1896 Nicol Kingsmill, M.A., K.C., Classical Medallist of 1856; in 1897 A. M. Crombie, Esq., of Montreal, in memory of his brothers Ernestus Crombie, M.A., Gold Medallist in Classics of 1854, and Marcellus Crombie, M.A., LL.B., Gold Medallist in Classics of 1857; in 1898 and 1899 William Dale, M.A., Gold Medallist in Classics of 1871; in 1900 Professor Fletcher, Gold Medallist in Classics of 1872, and Professor Hutton; in 1901 Adam Carruthers, M.A., Gold

Medallist in Classics of 1880; in 1902 W. S. Milner, M.A., Gold Medalist in Classics in 1881; in 1903 G. W. Johnston, Ph.D., Lecturer in Latin. In 1904 the medal will be donated by P. W. Ellis, Esq.

The winners of the McCaul Medal in the past have been as follows:—1886, W. P. Mustard, Ph.D.; 1887, E. O. Sliter; 1888, H. J. Crawford; 1889, H. J. Cody; 1890, James Colling; 1891, C. A. Stuart; 1892, F. W. Shipley, Ph.D.; 1893, F. B. R. Hellems, Ph.D.; 1894, J. H. Brown (*ob.*); 1895, W. T. F. Tamblyn, Ph.D.; 1896, Donald McFayden; 1897, R. O. Jolliffe; 1898, Miss Florence E. Kirkwood; 1899, W. H. Alexander; 1900, Miss Landon Wright; 1901, E. J. Kylie; 1902, E. H. Oliver; 1903, A. G. Brown.

#### MODERN LANGUAGES (in the Fourth Year).

The Governor-General's Medal (Silver), the Gift of His Excellency the Earl of Minto.

GENERAL COURSE (in the Fourth Year) the gift of the Alumnae of the City of New York.

I. The New York Alumnae Medal (Gold) shall be open for competition to candidates in the General Course of the Fourth year of University College.

II. The Medal shall be awarded to the students obtaining the highest aggregate number of marks in the subjects of instruction in the University and University College necessary to graduation.

III. It shall rest with the Council to determine whether the standard reached by the best candidate justifies the award of a medal.

IV. The regulations with reference to the Governor-General's Gold Medal shall govern the award as regards language options.

## Winners of Scholarships, Medals and Prizes in the College in 1902.

### Prizes.

French Prose Prize..... Miss E. Summers.  
The Frederick Wyld Prize for English Essay... Miss M. A. Macdonald.

### Medals.

Governor-General's Medal in Modern Languages  
(Third Year) ..... Miss E. Summers.  
McCaul Medal in Classics..... E. H. Oliver.

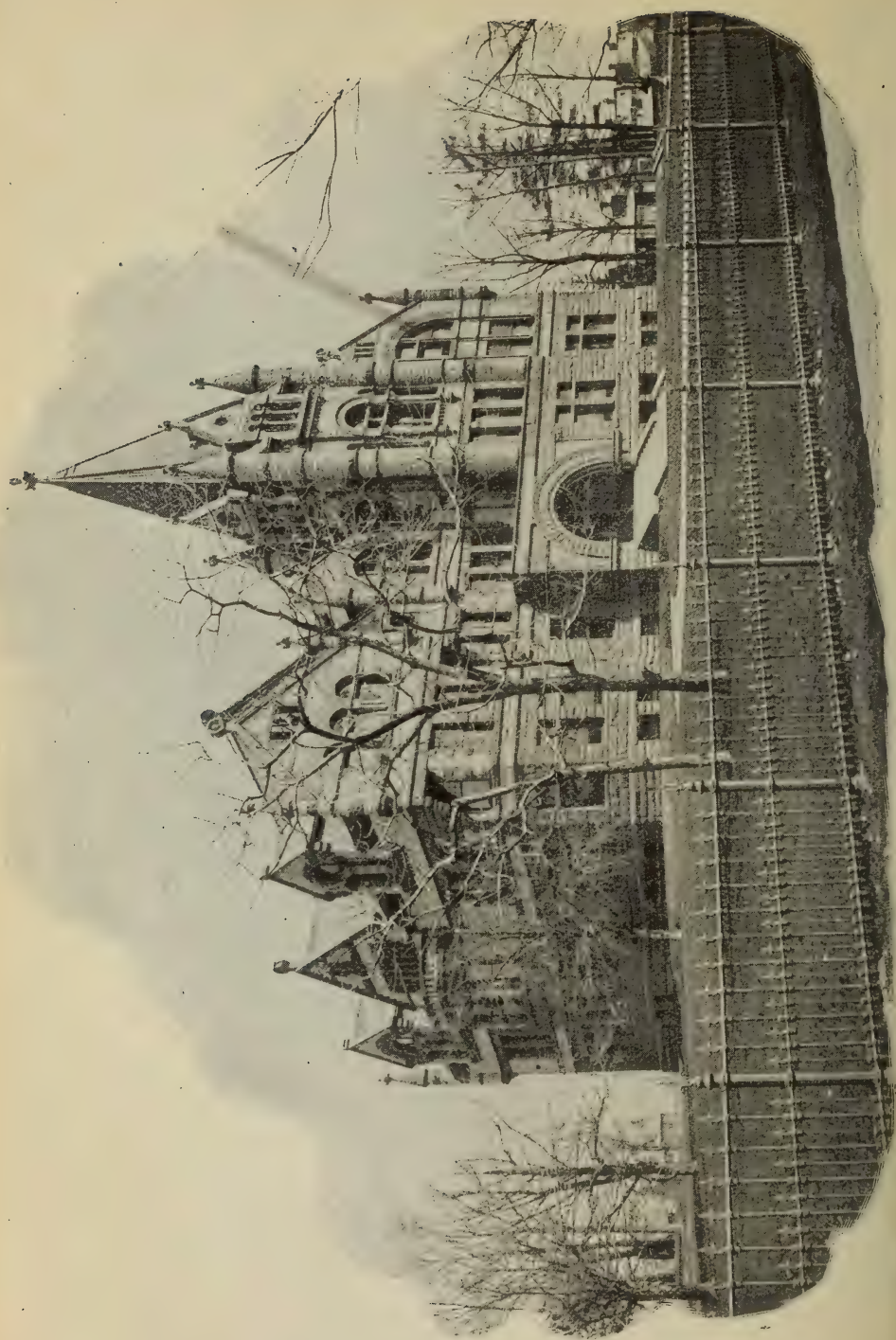
### Scholarships.

The Goldwin Smith, for Classics (Junior Matric.).. W. S. Wallace.  
The William Dale, for Classics (Junior Matric.).. J. O. Carlisle.  
The McCaul, for Classics (Junior Matric.).... J. Lang.



- The Moss, for Classics (First Year)..... C. R. Reade.  
The Edward Blake, for Moderns (First Year)...Miss B. Ketcheson.  
The William Mulock, for Classics (Second Year).C. R. Jamieson.  
The George Brown, for Moderns (Second Year). Miss C. W. Morrish.  
The Knox College, for Orientals (Second Year). J. A. Sharrard, Aeq  
W. B. Taylor, Aeq  
The John Macdonald, for Philosophy (Third  
Year) ..... F. G. Kilmaster.  
The Julius Rossin, for Moderns (Third Year)...Miss E. Summers.  
The Moss, for Classics (Third Year).....A. G. Brown.  
The Knox College, for Orientals (Third Year)..R. G. McKay.





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# Announcements of Victoria University

IN FEDERATION WITH  
THE UNIVERSITY OF TORONTO.



## Victoria University.

VICTORIA UNIVERSITY was founded by resolution of the Conference of the Methodist Church in Canada, held in Kingston in August, 1830. The institution was opened for students on the 18th of June, 1836, with the Rev. Matthew Richey, M.A., as Principal. On the 12th of October, 1836, letters patent were issued by His Majesty King William IV., incorporating the institution as a seminary of learning for the Province of Upper Canada, under the name of "Upper Canada Academy."

In 1841 the Parliament of the United Provinces of Upper and Lower Canada, being now first constituted by Acts of the Imperial Parliament, with power to grant such a charter, at its first session, held in the city of Kingston, passed an Act, extending the charter of the Upper Canada Academy under the name and style of "Victoria College, with power and authority to confer degrees of Bachelor, Master and Doctor of the various Arts and Faculties," which Act was assented to by the Governor General on the 27th of August, 1841.

On the 21st of October, 1841, the Rev. Egerton Ryerson, having been appointed Principal, opened the first college session under the enlarged charter.

In the year 1844 the Rev. A. McNab, D.D., succeeded the Rev. Dr. Ryerson as Principal, and occupied the office until 1849. At the close of his term the number of students in the college was 140.

In 1850 the Rev. S. S. Nelles, M.A., was appointed Principal, and addressed himself to the task of organizing and enlarging the College to the status and work of a University. In the year 1854-55 the Faculty of Medicine was added and established in Toronto. In 1860 the Faculty of Law was added, and in 1871 the Faculty of Theology.

In the year 1883-84 a Commission, appointed by the General Conference of the Methodist Church, arranged for the consolidation of Albert College, Belleville, with Victoria College,

Cobourg, and legal effect was given to this consolidation by Act of the Legislature of Ontario, 47 Vic., chap. 93.

The corporate name was by this Act changed to "Victoria University." The government of the University was vested in a Board of Regents, Chancellor, Vice-Chancellor and Senate. To these bodies was given power to affiliate outlying colleges, and full university powers in all Faculties were continued. The Rev. S. S. Nelles, D.D., LL.D., as President, was *ex officio* first Chancellor, and William Kerr, K.C., LL.D., Senator, was elected Vice-Chancellor.

In 1887 the Rev. S. S. Nelles, D.D., LL.D., died, and the Rev. N. Burwash, S.T.D., LL.D., was appointed President and Chancellor.

Under the provisions of the present charter the following colleges are affiliated in Arts with Victoria University:—Albert College, Belleville; the Ontario Ladies' College, Whitby; Alma College, St. Thomas; Columbian Methodist College, New Westminster, B.C.

On the 12th of November, 1890, under the provisions of the Revised Statutes of Ontario, chap. 230, and the Acts amending the same, Victoria University was, by Proclamation of the Lieutenant-Governor, federated with the University of Toronto.

On the 1st of October, 1892, the Faculty of Victoria University occupied the new building in the Queen's Park, Toronto, and the federation of the Universities was practically consummated. The Faculty of Arts then assumed the work and relation of a College in the University of Toronto, providing instruction in all subjects assigned by the Federation Act to University College. In other subjects the students of Victoria University attend the lectures and laboratory practice of the University of Toronto, and receive their degrees under the statutory regulations of its Senate.

By the provisions of the Federation Act the President of Victoria University, a representative of the Senate of Victoria University, and five representatives of the graduates in Arts, are members of the Senate of the University of Toronto, and the graduates and undergraduates of Victoria

University are granted the same standing and privileges in the University of Toronto.

Five hundred and seventy-seven graduates of Victoria University were admitted to the standing and privileges of the degree of B.A. in the University of Toronto; two hundred and thirty-one to those of M.A.; nine hundred and sixty-three to those of M.D.; one hundred and twenty-five to those of LL.B.; and forty to those of LL.D.

By the University Act of 1901, the electoral body in Convocation of Victoria University was made permanent, and was enlarged to include all graduates of the University of Toronto who, since 1892, have been enrolled in Victoria College in Arts.

The electoral body of Victoria University in the Convocation of the University of Toronto now consists of 962 graduates in Arts, besides the graduates in Law and Medicine, who form one body with those of the University of Toronto.

# The Government of Victoria University.

## THE BOARD OF REGENTS.

- REV. A. CARMAN, M.A., D.D., *General Superintendent of the Methodist Church.*  
 REV. N. BURWASH, S.T.D., LL.D., *Chancellor.*  
 HON. WM. KERR, M.A., LL.D., K.C., *Senator, Vice-Chancellor*  
 HIS HONOUR JUDGE DEAN, M.A., LL.D.  
 HON. B. M. BRITTON, M.A.  
 REV. E. B. RYCKMAN, M.A., D.D.  
 REV. W. S. GRIFFIN, D.D.  
 REV. JAMES ALLEN, M.A.  
 HON. GEO. A. COX, *Senator.*  
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 REV. JOHN POTTS, D.D.  
 REV. E. N. BAKER, M.A., B.D.  
 REV. A. SUTHERLAND, D.D.  
 JAMES MILLS, M.A., LL.D.  
 REV. S. CLEAVER, M.A., D.D.  
 A. E. AMES, ESQ.  
 R. A. REEVE, B.A., M.D.  
 REV. WILLIAM BRIGGS, D.D.  
 J. W. FLAVELLE, ESQ.  
 REV. W. H. WITHROW, M.A., D.D., F.R.S.C.  
 H. H. FUDGER, ESQ.  
 REV. W. P. DYER, M.A., B.Sc., D.D.  
 REV. J. S. ROSS, M.A., D.D.  
 A. E. KEMP, ESQ., M.P.  
 W. W. OGDEN, M.D.  
 CHESTER MASSEY, ESQ.  
 REV. W. C. HENDERSON, M.A., D.D.

### *Representatives of the Alumni:*

- H. HOUGH, M.A., LL.D.  
 E. C. S. HUYCKE, B.A., LL.B.  
 C. C. JAMES, M.A., *Deputy Minister of Agriculture.*  
 J. R. L. STARR, B.A., LL.B.  
 HON. J. J. MACLAREN, M.A., LL.D., K.C.  
 REV. E. A. CHOWN, B.A., B.D.  
 H. W. AIKINS, B.A., M.D.



## THE SENATE.

REV. N. BURWASH, S.T.D., LL.D., *Chancellor.*

HON. WM. KERR, M.A., LL.D., K.C., *Vice-Chancellor.*

REV. A. CARMAN, M.A., D.D., *General Superintendent.*

A. P. COLEMAN, M.A., PH.D., (Bresl.) *Hon. Professor.*

PROFESSORS OF THE FACULTY OF ARTS.

PROFESSORS OF THE FACULTY OF THEOLOGY.

MEMBERS OF THE BOARD OF REGENTS.

*Representatives of Albert College:*

F. W. MERCHANT, M.A.

*Representative of the Ontario Ladies' College, Whitby:*

REV. J. J. HARE, M.A., PH.D.

*Representative of Alma College, St. Thomas:*

REV. R. I. WARNER, M.A., D.D.

*Representatives of the Alumni:*

C. W. KERR, B.A.

F. C. COLBECK, B.A.

G. B. SPARLING, M.A.

L. A. KENNEDY, M.A.

J. W. ST. JOHN, B.A.

E. B. RYCKMAN, M.A., LL.B.

REV. A. B. CHAMBERS, LL.B., D.D.

F. N. G. STARR, M.D., C.M.

## Officers of Instruction.

### FACULTY OF ARTS.

#### Victoria University.

REV. N. BURWASH, S.T.D., LL.D.,  
*President, Professor of Civil Polity,*  
113 Bloor Street West.

REV. ALFRED H. REYNAR, M.A., LL.D.,  
*Dean of Faculty of Arts, William Gooderham Professor of English Literature.*

A. R. BAIN, M.A., LL.D.,  
*Nelles Professor of Ancient History,*  
135 Bedford Road.

REV. E. I. BADGLEY, M.A., LL.D.,  
*Egerton Ryerson Professor of Mental and Moral Philosophy,*  
77 Avenue Road.

REV. FRANCIS HUSTON WALLACE, M.A., D.D.,  
*Dean of Faculty of Theology, George A. Cox Professor of Biblical Greek,*  
95 Bedford Road.

REV. JOHN BURWASH, M.A., D.Sc., LL.D.,  
*H. A. Massey Professor of the English Bible.*  
89 Avenue Road.

A. J. BELL, M.A., PH.D. (Bresl.),  
*Macdonald Professor of the Latin Language and Literature,*  
17 Avenue Road.

L. E. HORNING, M.A., PH.D. (Goettingen),  
*Professor of German and Old English.*

REV. J. F. McLAUGHLIN, M.A., B.D.,  
*Professor of Oriental Languages and Literature,*  
30 Bernard Avenue.

J. C. ROBERTSON, B.A.,  
*Professor in the Greek Language and Philosophy.*  
115 Spadina Road.

## UNIVERSITY OF TORONTO

PELHAM EDGAR, PH.D.,

*The Eliza Gooderham Professor in the French Language and Literature,*  
21 Elgin Avenue.

A. L. LANGFORD, M.A.,

*Associate Professor in the Greek Language and Literature,*  
50 Bismarck Avenue.

A. E. LANG, B.A.,

*Associate Professor in the German Language and Literature,*  
104 Spadina Road.

E. MASSON,

*Instructor in French,*  
93 St. Joseph Street.

A. F. MISENER, M.A.,

*Lecturer in Oriental Languages and Literature.*  
99 Bloor Street West.

## **General Regulations and Announcements**

### **FOR STUDENTS IN ARTS.**

#### **Admission.**

Students are admitted to Registration in the Faculty of Arts on having passed the Matriculation examination prescribed by the University of Toronto, or on giving the Faculty satisfactory evidence of their ability to pursue the course of study proposed. They are required to observe the general regulations of the University of Toronto and of Victoria University in regard to attendance on lectures and examinations.

#### **Examinations.**

All students of Victoria University desiring to take the examination in Arts will present themselves at the annual examination of the University of Toronto.

The standing thus obtained gives the students of Victoria undergraduate rank in the University of Toronto as well as in Victoria University, and entitles them to compete for all University honours.

No student may present himself for any University examination subsequent to matriculation without producing a certificate of having complied with all the requirements of his college affecting his admission to such examination.

#### **Occasional Students.**

Occasional students may be admitted to lectures on application to the President of Victoria University.

Certificates of attendance on lectures in any department during an academic year may be given to occasional students who have been regular in their attendance, and who have also passed the examinations in such department.



### Terms.

The Academic Year consists of two terms: the first (*Michaelmas*) extending from October 1st to December 22nd; and the second (*Easter*) from January 5th to May 31st.

Attendance for eight terms is required by the University prior to the B.A. degree, unless the student has been admitted at Senior Matriculation, or *ad eundem statum*, or has received dispensation from the University Council.

The term will not be allowed to students who have been reported to the President by any of the Professors as neglecting to attend the required lectures, or have not conformed to the statutes and regulations of the College, or have been reported to the Faculty for bad conduct.

### Instruction.

Instruction is given in the various subjects of the Arts Course by the Arts Faculty of the University of Toronto and the Arts Faculty of Victoria University. In the division of the work of instruction between these Faculties the subjects are assigned as follows:—To the Faculty of the University of Toronto: Mathematics, Physics, Mineralogy and Geology, Biology, Chemistry, History of Philosophy, Logic, Metaphysics, Comparative Philology, Italian and Spanish, History, Political Economy and Constitutional History, Constitutional and International Law, Roman Law, General Jurisprudence and History of English Law; and to the Faculty of Victoria University: Latin, Greek, Ancient History, English, French, German, Oriental Literature, Ethics. Instruction in the theological options is given by the Theological Faculty of Victoria University.

### College Examinations.

Matriculated students are required to attend all examinations prescribed by the Professors and Lecturers in their special departments.

Prizes and honours are awarded on the recommendation of the Professors and Lecturers, in accordance with the requirements prescribed by them in their several departments.

Occasional students are not required to attend the examinations, unless they are candidates for prizes or honours, or desire to obtain certificates of attendance.

### **Fees.**

The fees required to be paid by students enrolled in Victoria College are those prescribed by the Trustees of the University of Toronto. (See page 67.) Enrolment fees are paid to the College Treasurer; all other fees are paid to the Bursar of the University of Toronto.

### **Discipline.**

All students enrolled in Victoria College are subject to the regulations as to discipline prescribed by the Council of the University of Toronto. (See p. 61).

Students are required to attend the lectures, as well as the examinations on all subjects necessary for students of their course and standing, and certificates of such attendance will be required as a condition of admission to examination by the University, unless dispensation has been obtained.

All interference with the personal liberty of the student, by arresting him, or summoning him to appear before any tribunal of students, or otherwise subjecting him to any indignity or personal violence is forbidden by the Faculty. Any student convicted of participation in such proceedings will forfeit the certificate required for admission to the University examinations, and will render himself liable to expulsion from the University.

### **Religious Services.**

All students are expected to attend the public worship of God on the Lord's Day at such churches as their parents or guardians may prefer. Morning prayers will also be held daily in the Chapel, at which all students are expected to be present.

Other religious services will be held at suitable times, to which all students are cordially invited.

### **Libraries, Museums, Etc.**

The Students of Victoria University have all the advantages of the following libraries, laboratories, etc.:—

UNIVERSITY OF TORONTO LIBRARY, containing upwards of 76,000 volumes, is supplied with a reading room, a periodical room, several seminary rooms, etc., and is provided with the standard and current literature of all subjects taught in the University.

VICTORIA UNIVERSITY LIBRARY consists of a working collection of 15,735 bound volumes in the English, French and German languages and literatures, History, Philosophy, and the various departments of Theology. The Library is one of reference, and includes the loan of the Literary Society collection.

The LABORATORIES in the various departments of Science are well supplied with apparatus for work in the departments, and are situated in the buildings devoted to the subjects.

The MUSEUMS contain collections of specimens in Biology, Mineralogy and Ethnology arranged for the purposes of instruction.

In addition to the collection of the Museums of the University of Toronto, there is in Victoria University a Museum that is of particular value in the Department of Mineralogy and Archæology, and has recently been enlarged by valuable donations from the Egyptian Exploration Fund of England.

### **Residence.**

Students are recommended to board in such houses as are approved by the President, except students residing with their parents or with friends designated by their parents or guardians. A carefully selected list of boarding-houses, where board and rooms may be obtained at prices varying from \$3.00 to \$5.00 a week, is prepared each year by the Young Men's Christian Association. Students will be expected to observe proper hours, and to maintain the conduct of Christian ladies and gentlemen.

### **Campus and Woman's Residence.**

The Board of Regents has purchased a block of land immediately north of Czar Street in the Queen's Park, which gives

ample space for student residences and campus. This will afford facilities for healthful exercise, and give the students opportunity for more perfect social life and culture.

The residence for women students is now nearing completion and is furnished with every modern accessory to the health, comfort and convenience of the students in their college work and social life. It is under the direction of a board of ladies who are securing the services of an experienced and able staff of management. Enlarged provision is being made for physical culture and other important accessories to a woman's liberal education. The classes in physical culture are in the charge of Mrs. Scott-Raff, and this work, as well as the general health of the students is supervised by Miss L. M. Davis, M.D., an experienced and able woman physician.



## Victoria University.

### SCHOLARSHIPS, PRIZES AND MEDALS.

All scholarships and prizes of the University of Toronto are open to students of Victoria University on the general terms prescribed on pages 72-79, etc. This includes exemption from fees in Victoria as in University College.

#### Matriculation Scholarships.

THE MARTHA BELL SCHOLARSHIP (of the value of \$100), the gift of Mrs. Whitwam and A. J. Bell, Ph.D., to the first of the First Class Honour men in Classics at Junior Matriculation.

THE FLAVELLE SCHOLARSHIP (of the value of \$60), the gift of J. W. Flavelle, Esq., to the student standing second in this examination.

THE WALTER E. H. MASSEY SCHOLARSHIP (of the value of \$50), the gift of the late W. E. H. Massey, Esq., to the student standing third in this examination.

The holder of any one of the above scholarships must signify his intention to proceed to his B.A. in the University of Toronto in Honour Classics and register at Victoria for that purpose.

#### Undergraduate Scholarships.

The following scholarships are awarded in Victoria University, subject to the conditions which govern University scholarships:—

THE BELL SCHOLARSHIP (of the value of \$60), the gift of A. J. Bell, Ph.D., to the first of the First Class Honour men of the Third Year in Classics.

THE WILLIAM AMES SCHOLARSHIP (of the value of \$60), the gift of A. E. Ames, Esq., to the first of the First Class Honour men of the First Year in Moderns.

THE NELLES SCHOLARSHIP (of the value of \$60), the gift of L. E. Horning, Ph.D., and others, to the first of the First Class Honour men of the Third Year in Moderns.

A CLASSICAL SCHOLARSHIP (of the value of \$50), to the first of the First Class Honour men of the Second Year in Classics.

THE ROBERTSON SCHOLARSHIP (of the value of \$50), the gift of J. C. Robertson, B.A., to the first of the First Class Honour men of the First Year in Classics.

The endowment provided by the bequest of the late W. E. H. Massey, Esq., will furnish a number of additional scholarships, which are awarded under the terms of the will in aid of deserving students.

The following prizes are offered for competition to students of Victoria University:—

THE WEBSTER AND HODGINS PRIZES, the gift of J. G. Hodgins, Esq., LL.D., to the students taking the highest place in the pass English of the Second and Third Years, respectively.

THE WALLBRIDGE PRIZE, the gift of A. F. Wallbridge, Esq., to the student taking the first place in the Biblical Greek of the Third and Fourth Years.

THE RYERSON PRIZE, the gift of J. G. Hodgins, Esq., LL.D., to the student taking the first rank in New Testament History.

THE ROBERTSON PRIZE, the gift of W. J. Robertson, M.A., LL.B., to the student of the General Course taking first place in Class A at the Fourth Year's Examination in Canadian Constitutional History.

THE ROBERT JOHNSTON PRIZE, the gift of the Rev. Prof. J. F. McLaughlin, M.A., B.D., to the student ranking highest in Pass Hebrew of the Second Year in Arts.

THE BEDE PRIZE, the gift of Rev. Prof. A. H. Reynar, LL.D., to the regular student standing first in Church History.

THE ROBERT WALLACE PRIZE, the gift of the Rev. Prof. F. H. Wallace, M.A., D.D., to the student standing first in New Testament Introduction.

THE CLASS OF 1902 PRIZE, the gift of the class of 1902, to the student standing first in the Pass English of the First Year.

THE PELHAM EDGAR PRIZE, the gift of Prof. Pelham Edgar, Ph.D., for excellency in French Composition, open to students of all the years. This prize shall not be given to the same student more than once.

THE MASSEY BURSARIES are open for competition to Arts students of the Third Year.

The following medals will be awarded to students of Victoria University at graduation in Arts. All competitors for these medals must obtain First Class Honours in their final University examinations.

THE PRINCE OF WALES GOLD MEDAL, to the student standing first in general proficiency at the examination of the Fourth year.

THE PRINCE OF WALES SILVER MEDAL, to the student standing second in the same examination.

THE GOVERNOR-GENERAL'S SILVER MEDAL, the gift of Lord Minto, to the student who obtains the highest standing in any honour department at the final examination for B.A.

THE EDWARD WILSON GOLD MEDAL IN CLASSICS, to the student standing highest in the final examination for honours in Classics.

THE S. H. JAMES SILVER MEDAL IN CLASSICS, to the student standing second in this examination.

THE S. H. JANES SILVER MEDAL IN MATHEMATICS, to the student standing highest at the final examination for honours in Mathematics.

THE J. J. MACLAREN GOLD MEDAL IN MODERNS, to the student standing highest at the final examination for honours in Moderns.

THE S. H. JANES SILVER MEDAL IN MODERNS, to the student standing second in this examination.

THE E. J. SANFORD GOLD MEDAL IN PHILOSOPHY, to the student standing highest at the final examination for honours in Philosophy.

THE S. H. JANES SILVER MEDAL IN PHILOSOPHY, to the student standing second in this examination.

THE G. A. COX GOLD MEDAL IN NATURAL SCIENCES, to the student standing highest at the final examination for honours in any department of the Sciences.

THE S. H. JANES SILVER MEDAL IN NATURAL SCIENCES, to the student standing second in this examination.

## Degrees, Medals and Prizes Granted Students Enrolled in Victoria University, 1902.

### DEGREES.

#### M. A.

|                           |                         |
|---------------------------|-------------------------|
| Bollert, Miss M. L., B.A. | Langford, A. L., B.A.   |
| Couch, I., B.A.           | Libby, W. F., B.A.      |
| Foucar, W. K., B.A.       | Thomson, A. E. M., B.A. |
| Hutcherson, E. B., B.A.   | Wigg, Miss H. E., B.A.  |
| Lang, A. E., B.A.         | Wilson, N. K., B.A.     |

B. A.

#### B. A.

|                         |                    |
|-------------------------|--------------------|
| Allen, Miss A. W.       | Hedley, Jno. W.    |
| Archer, Wm. R.          | Hughson, J. E.     |
| Auger, C. E.            | Lazier, H. L.      |
| Beer, J. H.             | McLean, Miss E. A. |
| Bingham, C. B.          | Moore, D. R.       |
| Carson, E. J.           | Mortimore, W. J.   |
| Clarry, J. N.           | Neville, H.        |
| Cooper, J. R. R.        | Rogers, W. P.      |
| Coulter, J.             | Rumble, I. A.      |
| Crockett, Ed.           | Smith, Miss A. M.  |
| Dobson, F. H.           | Smith, Miss K.     |
| Eckardt, L. R.          | Stacey, A. G.      |
| Facey, R. A.            | Stafford, W. E.    |
| Fowler, J. H.           | Terryberry, A. I.  |
| Green, Thos.            | Van Wyck, J. R.    |
| Helgason-Baldwin, O. P. | Ward, Miss A. L.   |
| Hamilton, W. H.         |                    |

### Medals, Scholarships and Prizes.

|  |  |  |
|--|--|--|
| The Prince of Wales Gold Medal (1st in General Proficiency B.A. Examination) | - - - -                                  | Eckardt, Lisgar R.                               |
| " Prince of Wales Silver Medal (2nd in General Proficiency B.A. Examination) | - - - -                                  | Hughson, James E.                                |
| " Governor-General's Silver Medal  | - - - -                                  | Green, Thomas.                                   |
| " Edward Wilson Gold Medal (1st in Classics)                                 | - - - -                                  | Helgason—Baldwin, O. P.                          |
| " S. H. Janes Silver Medal (1st in Physics)                                  | - - - -                                  | Stacey, Albert Geo.                              |
| " E. J. Sandford Gold Medal (1st in Philosophy)                              | - - - -                                  | Green, Thomas.                                   |
| " S. H. Janes Silver Medal (2nd in Philosophy)                               | - - - -                                  | Van Wyck, James Roy.                             |
| " Geo. A. Cox Gold Medal (1st in Political Science)                          | - - - -                                  | Moore, D. R.                                     |
| " S. H. Janes Silver Medal (2nd in Political Science)                        | - - - -                                  | Carson, E. J.                                    |
| " Bell Scholarship (1st in Classics, 3rd yr.)                                | - - - -                                  | Wallace, Edward Wilson.                          |
| " Chown Scholarship (1st in Philosophy, 3rd yr.)                             | - - - -                                  | Hughes, Jacob Ira.                               |
| " Nelles Scholarship (1st in Moderns, 3rd yr.)                               | - - - -                                  | Dingwall, Miss Elleda Edna.                      |
| " William Ames Scholarship (1st in Moderns, 1st yr.)                         | - - - -                                  | Spence, Miss A. G. Wenonah.                      |
| " Robertson Scholarship (1st in Classics, 1st yr.)                           | - - - -                                  | Jickling, Miss Carrie K.                         |
| " Martha Bell and Flavelle Scholarships                                      | (1st in Classics, Junior Matriculation). | { Chubb, Miss E.L. } Equal.<br>{ Cohoon, J. W. } |
| " Massey Scholarship (3rd in Classics, Junior Matriculation)                 | - - - -                                  | Hewitt, D. A. C.                                 |
| " Hodgins Prize (1st in Pass English, 3rd yr.)                               | - - - -                                  | Joliffe, Miss Ruby M.                            |
| " Webster Prize (1st in Pass English, 2nd yr.)                               | - - - -                                  | Weeks, Miss Edith Annie.                         |
| " Robert Johnston Prize (1st in Pass Hebrew, 2nd yr.)                        | - - - -                                  | Booth, A. Harrison.                              |
| " Class of 1902 Prize (1st in Pass English, 1st yr.)                         | - - - -                                  | Cragg, Harry Humphrey.                           |

### Honours in Arts.

NOTE.—The names of those who have honours in a department are not repeated in the sub-departments.



**Fourth Year.****CLASSICS—Class I.**

Helgason-Baldwin, O. P.

**Class III.**

Bingham, C. B.

Smith, Miss K.

**ENGLISH AND HISTORY—Class III.**

Carson, E. J.

**MODERN ENGLISH—Class II.**

Carson, E. J.

**MODERNS—Class II.**

Allen, Miss A. W.

**Class III.**

Green, T.

Auger, C. E.

Van Wyck, J. R.

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**CURRICULUM IN LAW.**

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## CURRICULUM IN LAW.

### Degree of LL.B.

Candidates for the degree of LL.B. must have:—

- (a) produced satisfactory certificates of conduct;
- (b) matriculated in the Faculty of Law;
- (c) passed the prescribed examinations;
- (d) attained the age of twenty-one years.

Any person having the degree of Bachelor of Arts or of Master of Arts in the University of Toronto; or any person having the degree of Bachelor of Arts or of Master of Arts of another University, who has been admitted *ad eundem gradum* in the University of Toronto; or any person who has been admitted to the Bar by the Law Society of Upper Canada, or any person who has been admitted a student at law by the Law Society of Upper Canada, and who has passed his Intermediate examinations as required by the said Society, provided that before he be entitled to receive the degree of LL.B. he shall have been admitted as a Barrister by the said Law Society, may enter the Faculty of Law at the Third year of the course of study in that Faculty; but prior to presenting himself for the final examination in the course of the degree of LL.B. he shall pass in addition to the examinations of the Third and Fourth years in the Faculty of Law, the following examinations in the Faculty of Arts, viz.:—

1. ENGLISH CONSTITUTIONAL HISTORY: Honour examinations of the Second and Third years, or the examination in the Third year of the Undergraduate General course.

2. ENGLISH AND COLONIAL CONSTITUTIONAL LAW: Honour examination of the Third year.

3. HISTORY OF ROMAN LAW: Honour examination of the Third year

4. HISTORY OF ENGLISH LAW: Honour examination of the Third year.

5. POLITICAL ECONOMY: Honour examinations of the Second or Third year, or the examination of the Fourth year in the Undergraduate General course.

6. JURISPRUDENCE: Honour examination of the Fourth year.

7. PUBLIC INTERNATIONAL LAW: Honour examination of the Fourth year.

8. CANADIAN CONSTITUTIONAL HISTORY: Honour examination of the Fourth year, or examination of the Fourth year of the Undergraduate General course.

9. FEDERAL CONSTITUTIONAL LAW: Honour examination of the Fourth year.

Undergraduates in the Faculty of Arts who intend to proceed to the degree of LL.B. may take these examinations either during their Arts course, or during the Third and Fourth years of their Law course.

**Matriculation.**

The Matriculation examination in the Faculty of Law shall be identical with the examination of the First year in the Undergraduate General course:—English; Latin; any two of the following languages:—Greek, French, German, Hebrew; Ancient History; Mathematics; Physics or Biology.

**First Year.**

The subjects of examination in the First year in the Faculty of Law are as follows:—

(a) Subjects of the General course in the Faculty of Arts in which Pass standing will be required:—

1. English of the Third year with the addition of English Composition.

2-3. Any two of the following languages of the Second year, viz.:—Latin, Greek, French, German, Hebrew.

4. Mediæval History of the Second year.

5. English Constitutional History of the Third year.

6. Ethics of the Third year.

7. Logic of the Second year.

8. Psychology of the Second year.

(b) Subjects of the Political Science course of the Third year, in which Honour standing will be required:—

1. English and Colonial Constitutional Law.

2. Theory of Political Economy.

3. History of English Law.

4. History of Roman Law.

**Second Year.**

The subjects of examination in the Second year in the Faculty of Law shall be as follows, viz.:—

(a) Subjects in the Faculty of Arts in which Pass standing will be required:—

1. English of the Fourth year of the General Course.

2-3. Any two of the following languages of the Third year of the General Course—Latin, Greek, French, German, Hebrew.

4. Economic History of the Honour Course of the Fourth year.

(b) Subjects of the Political Science course, in which Honour standing will be required:—

1. Modern History of the Third year.

2. Canadian Constitutional History.

3. Public Finance.

4. Political Philosophy.

5. Jurisprudence.

6. Public International Law.

7. Federal Constitutional Law.



## Third Year.

1. Common Law ..... Broom's Common Law.
2. Personal Property..... Williams.
3. Contracts ..... Anson.
4. Medical Jurisprudence..... Reese.
5. Equity ..... { Snell.  
Marsh (History of the Court of  
Chancery).
6. Theory of Obligation.... Institutes of Justinian { Bk. 1, titles 1, 2, 3.  
Bk. 3, titles 13-39.  
Bk. 4, title 1.  
Mackenzie, Roman Law, Part III.
7. Canadian Constitutional Law.. Clement.

Additional subjects for candidates for the American Law Book Company's Prize.

8. The Law of Companies; Lindley's Law of Companies.

9. Municipal Law. The powers of Municipal Corporations to make contracts, and the manner in which they may contract; the general principles governing the exercise of these powers to pass by-laws; and their powers to create or establish highways and their liabilities with respect to the same when created.

The Act respecting Municipal Institutions (R.S.O.) 1897, c. 223, and Biggar's Municipal Manual.

Each candidate for the American Law Book Company's Prize must present a thesis upon some subject relating to either of the additional subjects on or before the 31st of March in the year in which he presents himself for examination in his Third year in the Faculty of Law.

## Fourth Year.

1. Law of Torts..... { Bigelow, English ed.  
Pollock.
2. Law of Real Property..... { Digby.  
Armour's Leith's Blackstone.
3. Commercial Law ..... { Chalmers.  
Maclaren, Bills and Notes.
4. Private International Law.... Westlake.
5. Corporations..... Brice on *ultra vires*, Parts 1, 2 and 3.
6. Construction and operation of  
Statutes ..... Hardcastle.  
Harris.
7. Criminal Law..... Criminal Code and amendments,  
excepting as regards Procedure.
8. Domestic Relations ..... Eversley, Parts 1, 2 and 3.

Each candidate for the degree of LL.B. must present a thesis satisfactory to the examiners in law, upon some subject embraced in the curriculum, on or before the 31st of March in the year in which he presents himself for examination in his Fourth year in the Faculty of Law, or on or before the said date in any subsequent year. The subject of the thesis will be prescribed by the Senate, and will be announced at least eight months before the date upon which it is due. An oral examination on the subject of the thesis may be required at the option of the examiners in Law. Candidates for the degree may defer presenting the thesis until a subsequent annual examination, in which case the fee for examination shall be \$10.

### Fees.

The following fees must be paid:—

|   |         |
|---|---------|
| For matriculation or entrance.....                | \$10 00 |
| For each examination after matriculation.....     | 10 00   |
| For each supplemental examination.....            | 10 00   |
| For the degree of LL.B.....                       | 20 00   |
| For admission <i>ad eundem gradum</i> , LL.B..... | 20 00   |

The fee for Matriculation and for each subsequent examination must be paid to the Bursar at the time the candidate makes application for the examination.

The fee for the degree must be paid to the Bursar before the candidate is admitted to the Final examination. .

### Examinations.

The examinations will take place in the month of May. Notice of the day when they commence will be given in January.

Every student who purposes presenting himself at any examination is required to send to the Registrar, at least six weeks before the day appointed for the examination, a paper (according to a printed form which will be provided on application) stating his standing, and whether he is a candidate for Honours or otherwise.

Candidates who at any examination have failed in not more than two subjects may present themselves for examination in such subjects at the next ensuing Supplemental examinations.

Undergraduates below the Fourth year in the Faculty of Law, who have been rejected or who have been prevented from attending the Annual examinations in May by sickness or other cause beyond their control, may present themselves in September, at the time of the Supplemental examinations in Arts.

Candidates in the Faculty of Law shall not be required to pass an examination on those subjects in which they have already passed the required examination in the University of Toronto, or an equivalent examination in the course of studies prescribed by the Law Society of Upper Canada.

Candidates who have taken the course at the Law School are required to present to the Registrar a certificate from the Secretary of the Law Society, showing the subjects in the Law School curriculum on which the candidate has passed examinations at the said School, and such certificate shall entitle the candidate to exemption from examination on the subjects mentioned in said certificate, where said subjects are included in the University curriculum in Law.

### Subject of Thesis.

The subject for the thesis for 1904 shall be "A Comparative Study of the Law of Marriage and Divorce in England and in Canada.

### Degree of LL.M.

Candidates for the said Degree must have been admitted to the degree of Bachelor of Laws, must be of the standing of one year from admission to the Degree of Bachelor of Laws, must have presented a thesis satisfactory to the examiners in law, and to the special examiners of such thesis appointed by the Senate, on some branch of law or of the history or philosophy of law, and must have passed the following examinations in the Faculty of Law, viz.:—

1. Roman Law: Sohm's Institutes of Roman Law.
2. Criminal Law: Stephen's History of the Criminal Law (omitting chapters on History of Procedure, Summary Jurisdiction, and Indian Criminal Law).
3. History of English Law: Pollock and Maitland's History of English Law.
4. English Constitutional Law: Gneist's History of the English Constitution; Select cases in Constitutional Law—Broom's Constitutional Law, Part II. (Relation of the Subject to the Executive; and Part III. (Relation of the Subject to Parliament); Todd's Parliamentary Government in England. •
5. Canadian Constitutional Law: Lefroy on Legislative Power in Canada; and subsequent reported cases on the subject.
6. Public International Law: Freeman Snow's leading cases on International Law; Lawrence's International Law.
7. Jurisprudence: Bryce's Studies in Jurisprudence; Hall's Foreign Jurisdiction of the British Crown; Salmond's Jurisprudence.
8. Civil Code of Quebec: Code Civil of the Province of Quebec.

The thesis shall be sent to the Registrar in typewritten or printed form, not later than the thirty-first day of March.

The Senate may appoint special examiners for the whole or any part of the work prescribed for examinations for said degree.

The fee for the said degree shall be thirty dollars (\$30.00).

### Certificates of Honour.

Certificates of Honour will be given at each examination to those students who have been placed in the first and second class of Honours. The fee for such certificates shall be one dollar.

### Prizes.

The American Law Book Company's Prize of a complete set of their Cyclopædia of Law and Procedure will be awarded to the successful candidate in the Third year who shall have obtained the highest aggregate number of marks in all the subjects of examination prescribed in the curriculum for said year, and also in the additional subject of the Law of Companies and Municipal Law, prescribed for the said prize, including a thesis upon some subject relating to either of those two additional subjects, and who shall be recommended for said prize by the examiners in Law and by the special examiners appointed to examine the thesis submitted by such candidates.

The Edward Thompson Company's Prizes of the American and English Encyclopædia of Law and of the Encyclopædia of Pleading and Practice will be awarded to the candidates for LL.B. who shall have received the highest and second highest aggregate number of marks at the examination for that degree in the Faculty of Law in all the subjects prescribed for the Fourth year, including the thesis upon a legal subject, required of such candidates, and who shall be recommended for the prizes by the examiners in Law, and the special examiners appointed to examine the theses submitted by such candidates.

The American Law Book Company's Prize of a complete set of their Cyclopædia of Law and Procedure will be awarded to the successful candidate for LL.M. who shall have obtained the highest aggregate number of marks at the examination for the said degree, including a thesis upon some branch of Law or of the history or philosophy of Law, and who shall be recommended for the said prize by the examiners in Law and by the special examiners to be appointed by the Senate to examine the thesis submitted by such candidates.

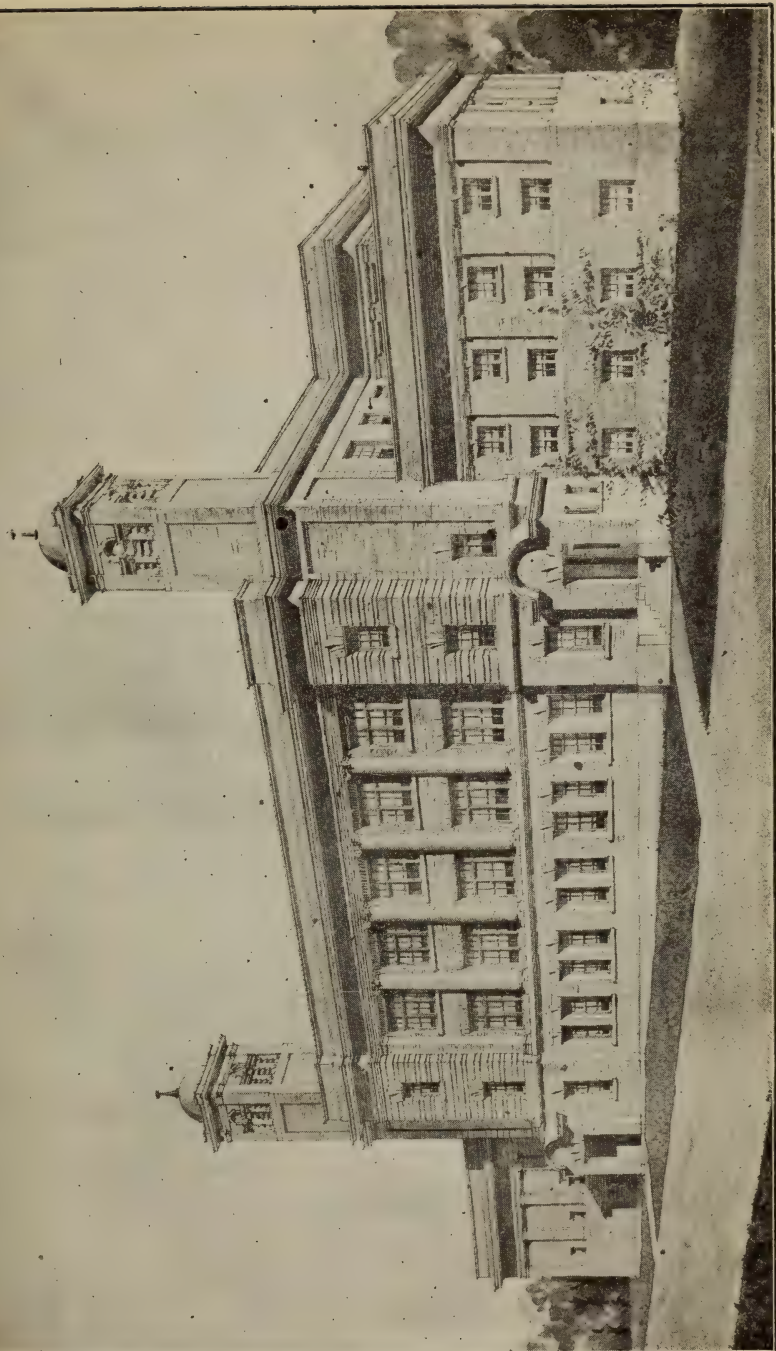
### Text-Books and Works of Reference.

American and English Encyclopædia of Law; Encyclopædia of Pleading and Practice.

The American Law Book Company's Cyclopædia of Law and Procedure.

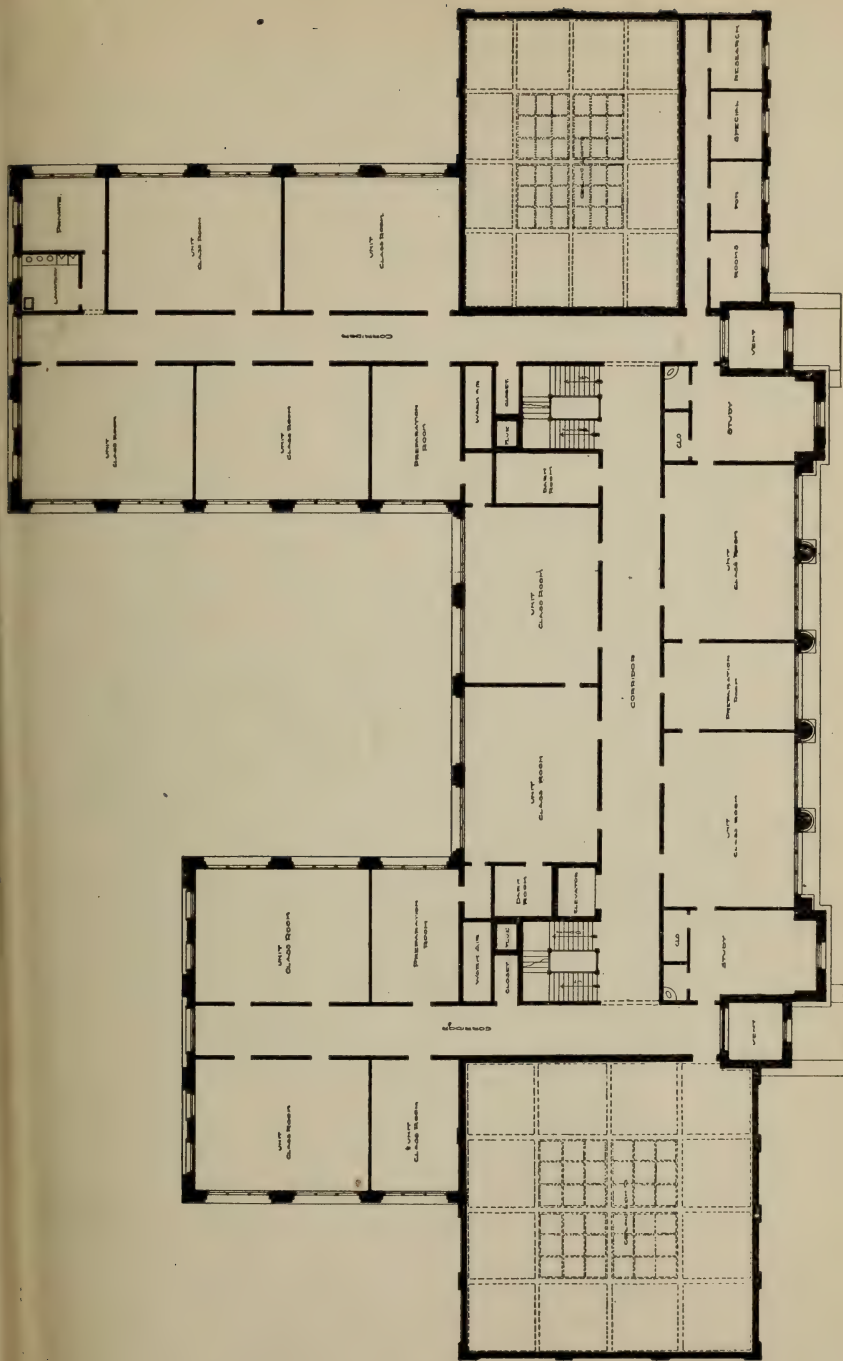






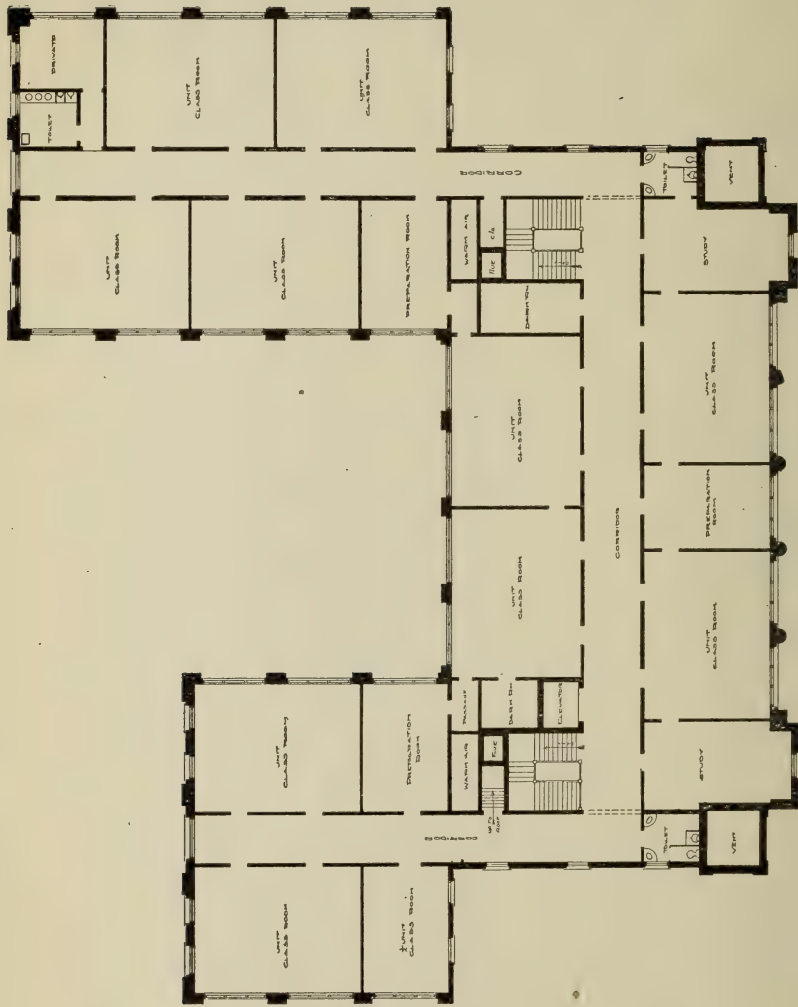
THE NEW MEDICAL BUILDING.





— FIRST FLOOR PLAN —  
THE NEW MEDICAL BUILDING.





—SECOND FLOOR PLAN—  
THE NEW MEDICAL BUILDING.

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**FACULTY OF MEDICINE.**

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The Faculty.

*President of the University* . . . . JAMES LOUDON, M.A., LL.D.  
*Dean of the Faculty* . . . . . R. A. REEVE, B.A., M.D., LL.D.  
*Secretary* . . . . . A. PRIMROSE, M.B., C.M., Edin.

*Professores Emeriti.*

JAMES THORBURN, M.D. W. W. OGDEN, M.D.  
M. H. AIKINS, B.A., M.D. J. H. RICHARDSON, M.D.  
UZZIEL OGDEN, M.D.

*Professors, Lecturers and Demonstrators.*

## ANATOMY.

*Professor and Director of the Anatomical Department:* A. PRIMROSE,  
M.B., C.M., Edin.  
*Associate-Professor:* H. WILBERFORCE AIKINS, B.A., M.B., Tor.  
*Demonstrator:* C. B. SHUTTLEWORTH, M.D., C.M., Trin., F.R.C.S., Eng.  
*Assistant-Demonstrators:*

W. J. MCCOLLUM, M.B., Tor.  
W. J. O. MALLOCH, B.A., M.B., Tor.  
T. B. RICHARDSON, M.D., C.M., Trin., F.R.C.S., Edin.  
S. W. WESTMAN, M.B., Tor.  
GEORGE ELLIOTT, M.D., C.M., Trin.  
E. R. HOOPER, B.A., M.B., Tor.  
W. J. WILSON, M.B., Tor.  
A. C. HENDRICK, M.A., M.B., Tor.  
C. P. LUSK, M.D., C.M., Trin.  
A. J. MCKENZIE, B.A., LL.B., M.B., Tor.  
D. MCGILLIVRAY, M.B., Tor.  
E. S. RYERSON, M.D., C.M., Trin.

## SURGERY.

*Professors of Surgery and Clinical Surgery:* I. H. CAMERON, M.B., Tor., F.R.C.S., Eng.; F. LEM. GRASETT, M.B., C.M., F.R.C.S., Edin.; G. A. PETERS, M.B., Tor., F.R.C.S., Eng.; L. TESKEY, M.D., C.M., Trin.

*Associate-Professor of Clinical Surgery and Clinical Anatomy:* G. A. BINGHAM, M.D., C.M., Trin., M.B., Tor.

*Associate-Professors of Clinical Surgery:* A. PRIMROSE, M.B., C.M., Edin.; N. A. POWELL, M.D., C.M., Trin., M.D., Bellevue, N.Y.; W. OLDBRIGHT, M.A., M.D., Tor.; H. A. BRUCE, M.B., Tor., F.R.C.S., Eng.; F. N. G. STARR, M.B., Tor.

*Associate-Professor of Clinical Surgery, in charge of Orthopædics*, C. L. STARR, M.B., Tor.

*Demonstrators of Clinical Surgery*: W. MACKEOWN, B.A., M.B., Tor.; C. A. TEMPLE, M.D., C.M., Trin.; A. H. GARRATT, M.D., C.M., Trin.; C. B. SHUTTLEWORTH, M.D., C.M., Trin., F.R.C.S., Eng.; T. B. RICHARDSON, M.D., C.M., Trin., F.R.C.S., Edin.; J. F. UREN, M.D., C.M., Trin.

#### PATHOLOGY.

*Professor of Pathology and Bacteriology and Curator of the Museum and Laboratories*: J. J. MACKENZIE, B.A., M.B., Tor.

*Professor of Clinical Pathology*: H. B. ANDERSON, M.D., C.M., Trin.

*Associate-Professor of Pathology and Bacteriology*: J. AMYOT, M.B., Tor.

*Laboratory-Assistant in Bacteriology*: T. D. ARCHIBALD, M.B., Tor.

*Demonstrators*: G. SILVERTHORN, M.B., Tor.; C. J. WAGNER, M.B., Tor.

*Assistant-Demonstrators*: W. H. PEPLER, M.D., C.M., Trin.; H. G. PARSONS, B.A., M.D., C.M., Trin.; M. M. CRAWFORD, M.B., Tor.; F. A. CLARKSON, M.B., Tor.

#### MEDICINE.

*Professor of Medicine and Clinical Medicine*: A. MCPHEDRAN, M.B., Tor.

*Associate-Professors of Medicine*: J. T. FOTHERINGHAM, B.A., Tor., M.D., C.M., Trin.; R. D. RUDOLF, M.D., C.M., Edin., M.R.C.P., Lond.

*Professor of Clinical Medicine*: J. L. DAVISON B.A., Tor., M.D., C.M., Trin.

*Associate-Professors of Clinical Medicine*: A. M. BAINES, M.D., C.M., Trin.; W. P. CAVEN, M.B., Tor.; W. B. THISTLE, M.B., Tor.; J. T. FOTHERINGHAM, B.A., Tor., M.D., C.M., Trin.; A. R. GORDON, M.B., Tor.; R. J. DWYER, M.B., Tor., M.R.C.P., Lond.; H. B. ANDERSON, M.D., C.M., Trin.

*Associates in Clinical Medicine*: G. BOYD, B.A., M.B., Tor.; R. D. RUDOLF, M.D., C.M., Edin., M.R.C.P., Lond.; G. CHAMBERS, B.A., M.B., Tor.; F. FENTON, M.D., C.M., Trin.; H. G. PARSONS, B.A., M.D., C.M., Trin.; W. GOLDIE, M.B., Tor.

#### PREVENTIVE MEDICINE.

*Professor of Preventive Medicine, Didactic and Clinical*: C. SHEARD, M.D., C.M., Trin.

#### MATERIA MEDICA AND THERAPEUTICS.

*Professor of Materia Medica, Pharmacology and Therapeutics*: J. M. MACCALLUM, B.A., M.B., Tor.



## OBSTETRICS AND GYNÆCOLOGY.

*Professor of Operative Obstetrics and Gynæcology:* J. ALGERNON TEMPLE, M.D., C.M., McGill.

*Professor of Obstetrics:* A. H. WRIGHT, B.A., M.B., Tor.

*Professor of Gynæcology:* J. F. W. ROSS, M.B., Tor.

*Associate-Professor of Obstetrics and Pediatrics:* H. T. MACHELL, M.B., Tor.

*Associate-Professor of Pediatrics:* A. M. BAINES, M.D., C.M., Trin.

*Associates in Obstetrics:* K. C. MCILWRAITH, M.B., Tor.; F. FENTON, M.D., C.M., Trin.

## OPHTHALMOLOGY AND OTOLGY.

*Professors:* R. A. REEVE, B.A., M.B., LL.D., Tor.; G. S. RYERSON, M.D., C.M., Trin.; G. H. BURNHAM, M.D., Tor., F.R.C.S., Edin.

*Associates:* C. TROW, M.D., C.M., Trin.; J. M. MACCALLUM, B.A., M.B., Tor.

## LARYNGOLOGY AND RHINOLOGY.

*Professor:* G. R. McDONAGH, M.B., Tor.

*Associate-Professor:* D. J. GIBB WISHART, B.A., Tor., M.D., C.M., McGill.

*Associate:* G. BOYD, B.A., M.B., Tor.

## HYGIENE.

*Professor:* W. OLDRIGHT, M.A., M.B., Tor.

## TOXICOLOGY.

*Professor:* W. H. ELLIS, M.A., M.B., Tor.

## MEDICAL JURISPRUDENCE.

*Professor:* N. A. POWELL, M.D., C.M., Tor., M.D., Bellevue, N.Y.

## MENTAL DISEASES.

*Extra-Mural Professors:* N. H. BEEMER, M.B., Tor.; J. C. MITCHELL, M.D., C.M., Trin.

## BIOLOGY.

*Professor of Biology:* R. RAMSAY WRIGHT, M.A., B.Sc., Edin., LL.D., Tor.

*Lecturer in Zoology:* B. A. BENSLEY, B.A., Tor., Ph.D., Col.

*Lecturer in Elementary Biology and Histology:* W. H. PIERSOL, B.A., M.B., Tor.

*Lecturer in Botany:* J. H. FAULL, B.A., Tor.

*Class Assistant in Biology:* R. B. THOMSON, B.A., Tor.

*Lecture and Laboratory Assistant:* C. M. FRASER, B.A., Tor.

*Class Assistants in Biology:* W. J. MCCOLLUM, M.B., Tor.; A. C. HENDRICK, M.A., M.B., Tor.; G. W. ROSS, B.A., M.B., Tor.; M. H. EMBREE, B.A., Tor.; E. A. MCCULLOCH, B.A., Tor.; A. H. ADAMS, B.A., Tor.

PHYSIOLOGY.

*Professor:* A. B. MACALLUM, M.A., M.B., Tor., Ph.D., Johns Hopkins.

*Demonstrator:* F. H. SCOTT, B.A., Ph.D., Tor.

*Assistant Demonstrators:* W. J. O. MALLOCH, B.A., M.B., Tor.; S. W. WESTMAN, M.B., Tor.; A. C. HENDRICK, M.A., M.B., Tor.

CHEMISTRY.

*Professor:* W. R. LANG, D.Sc., Glasg.

*Lecturers:* F. B. ALLAN, M.A., Ph.D., Tor.; F. B. KENRICK, M.A., Tor., Ph.D., Leipzig.

*Fellow:* MISS C. C. BENSON, B.A., Tor.

*Lecture-Assistant:* C. M. CARSON, B.A., Tor.

PHYSICS.

*Professor:* JAMES LOUDON, M.A., LL.D., Tor.

*Lecturer:* C. A. CHANT, B.A., Tor., Ph.D., Harv.

## COURSES OF LECTURES

AND

METHODS OF INSTRUCTION.

WINTER SESSION, 1903-1904.

## Chemistry.

*Professor:* W. R. LANG.*Associate Professor of Medical Chemistry:* W. T. STUART.*Lecturers:* F. B. ALLAN, F. B. KENRICK.*Assistant:* MISS C. C. BENSON, B.A.*Assistant:* C. M. CARSON, B.A.

All lectures and practical work will be given in the Chemical Building. The students of the First year attend a course of lectures delivered three times a week in the large lecture theatre, on Inorganic Chemistry. This course embraces the study of the non-metallic and metallic elements and of their principal compounds, based on Mendelejeff's classification of the elements.

*Tutorial Classes:* In addition to the Lectures the class is divided into sections, each of which meets one day a week for further instruction in Arithmetical Chemistry.

*Text-Books:* Remsen's College Chemistry. Newth, Inorganic Chemistry.

*Chemistry:* The instruction given in practical chemistry includes a systematic course of laboratory work including qualitative analysis of inorganic salts, acids and bases.

The students of the Second year attend a course of lectures on Organic Chemistry, delivered twice a week. The principles of organic analyses and the basis on which the compounds of carbon are classified are explained, and the typical compounds and derivations of the "fatty" series specially described. An elementary study of the "aromatic" series is also included in the course.

*Text-Books:* Remsen's Organic Chemistry.

The laboratory work of the Second year includes elementary volumetric analysis, with special application to clinical

medicine and sanitary science, and the analysis of urine; and qualitative analysis as applied in toxicology and medicine.

Students working in the laboratory are provided with the necessary apparatus on making a deposit of three dollars\* at the commencement of the session, which will be returned at the close of the session after the following charges have been deducted from it: —

(1) The cost of all apparatus broken or destroyed.

(2) Any fines for breach of laboratory rules.

No certificate will be given for the practical work unless the student has passed the practical examinations conducted during the session.

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## Physics.

*Professor:* J. LOUDON.

*Lecturer:* C. A. CHANT.

The lectures on Physics will give a concise outline of the entire subject, and are intended to form a satisfactory foundation for future study in other branches of science.

The various parts will be treated in an experimental manner, and will be considered in the following order:—

### 1. MECHANICS:

General notions and terms, such as velocity, acceleration, mass, momentum, force, energy; together with calculations to illustrate the laws.

### 2. HYDROSTATICS:

Pressures and their transmission, specific gravity, and general properties of liquids and gases.

### 3. SOUND:

General explanation of wave-motion, reflection and interference of sound, tuning forks, organ-pipes, strings, and the musical scale.

### 4. HEAT:

Thermometers, expansion, specific heat, latent heat, and other ordinary phenomena.

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\*This is in addition to the fee of three dollars mentioned as "Chemical Laboratory Supply Fee," on page 256.

**5. LIGHT:**

Laws of reflection and refraction, mirrors, prisms, lenses, microscope and telescope, colour, double-refraction and polarisation.

**6. ELECTRICITY AND MAGNETISM:**

Laws of magnetism; voltaic cell, chemical, magnetic and heating effect of the electric current; induction, the induction-coil, dynamo, etc.

The lectures will be given in Room 16, Main Building (West Wing).

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## Biology.

*Professor of Biology:* R. RAMSAY WRIGHT,

*Lecturer in Zoology:* B. A. BENSLEY.

*Lecturer in Elementary Biology and Histology:* W. H. PIERSOL.

*Lecturer in Botany:* J. H. FAULL.

*Class Assistant in Biology:* R. B. THOMSON.

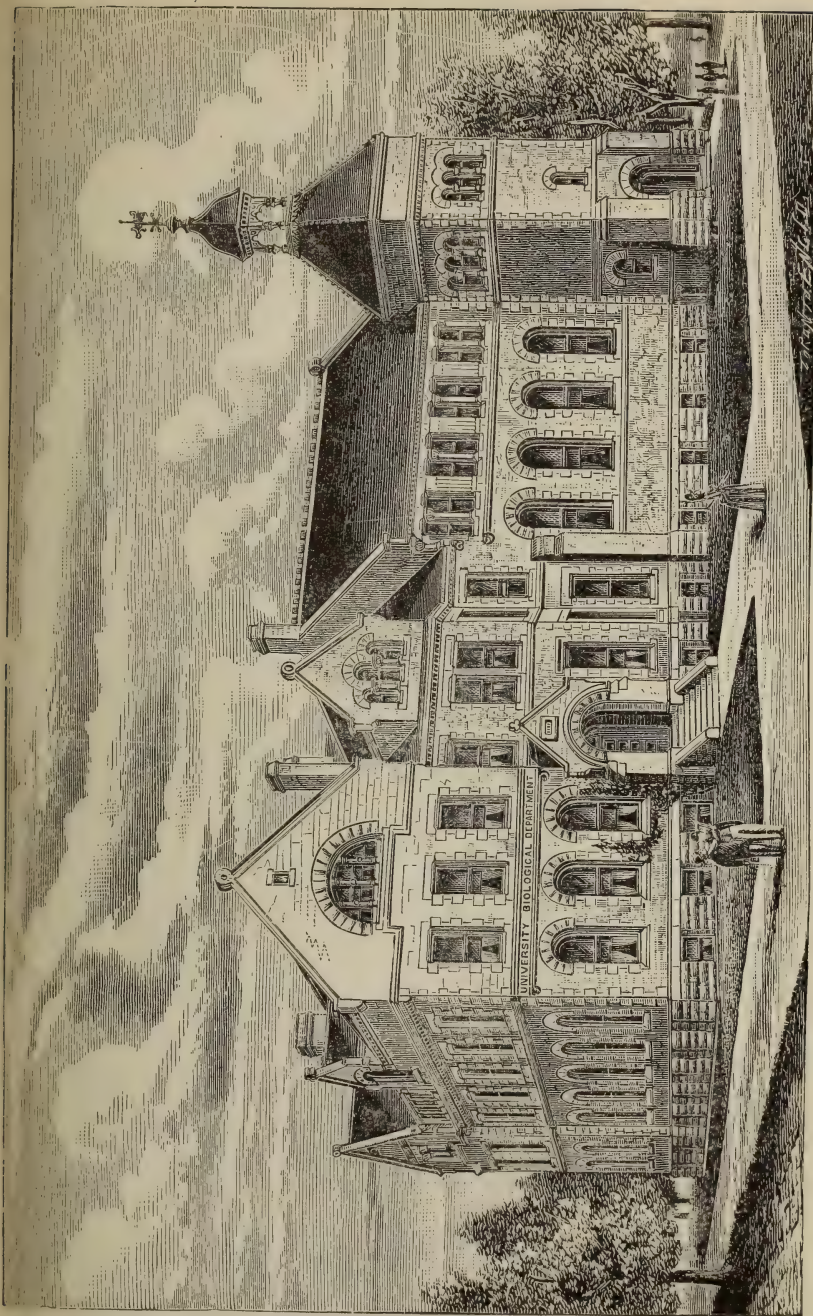
*Lecture and Laboratory Assistant:* C. M. FRASER.

*Class Assistants in Biology:* W. J. MCCOLLUM, A. C. HENDRICK, G. W. ROSS, M. H. EMBREE, E. A. MCCULLOCH, A. H. ADAMS.

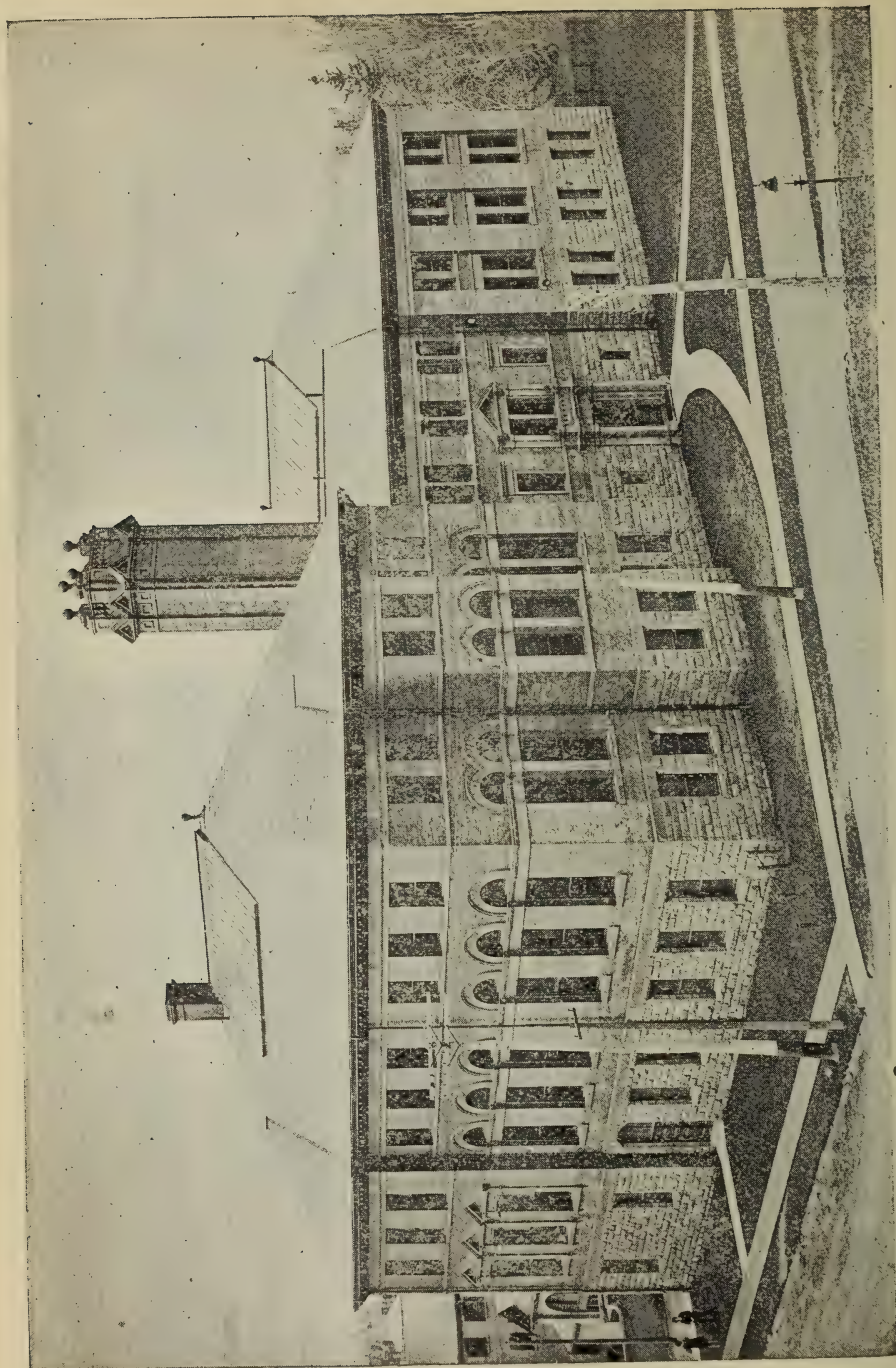
1. Students of the First year will attend a course of lectures on general biology and elementary physiology, to be given three days a week throughout the session. This course of lectures is common to the Arts students of the First year, and is designed as an introduction to the whole range of biological studies. After a sketch of the scope and objects of these, the lectures will treat (1) of the fundamental principles of biology, as illustrated by the simplest animals and plants, (2) of typical forms of higher plants in ascending order, (3) of the structure and functions of the human body, and (4) comparatively, of the vertebrates and of the rest of the animal kingdom. Students are recommended to make use of the Biological Museum in connection with this course of lectures.

2. A supplementary course of twenty-five lectures on aspects of Biology of special interest to students of Medicine will be given by Mr. Piersol.





UNIVERSITY BIOLOGICAL DEPARTMENT.—(East Wing).



THE NEW CHEMICAL LABORATORY.



3. A practical course of fifty hours' duration, illustrating the above and serving as an introduction to the use of the microscope, will be conducted by the Demonstrator under the supervision of the Professor of Biology.

4. A course of twenty-five lectures on embryology by the Professor will be chiefly devoted to the development of the external form of the organs and of the tissues of the human body, but the necessary comparative data for the proper understanding of these will be supplied by reference to the embryology of the amphibia and the birds. The student may consult the large collection of models of embryology in the Museum, which are now furnished with explanatory labels designed to supplement the instruction given in the lectures.

5. A similar series of twenty-five lectures on histology is designed to cover the general principles of Human Histology.

6. In illustration of the foregoing courses the Lecturer, with the aid of the assistants, will conduct a practical course on Histology and Embryology of one hundred hours. The student will have the opportunity of providing himself with a set of typical specimens illustrative of histology, and of studying a carefully selected series of embryological preparations, and of becoming acquainted with the methods employed in Histology and Embryology.

### The Biological Museum.

The University Biological Museum forms the central portion of the Biological Buildings. It is primarily intended as an educational Museum for the students taking biology as part of their University work. It is arranged in such a way as to facilitate the most elementary as well as the most advanced studies, each specimen, as far as possible, being furnished with a printed label indicating the most salient points which it is designed to illustrate. The Museum, however, being open every afternoon, is also of great interest to the general public and attracts even greater numbers of visitors than the old Natural History Museum in the University Building.

The public entrance to the Museum is situated in the west façade of the Biological Buildings, while the students gain access to the rooms through the eastern wing, in which the laboratories are located. The interior of the Museum, which occupies two floors, is sub-divided into four rooms, seventy-five by twenty-five feet in size, amply lighted by handsome windows on the north and south sides. Three of these rooms are devoted to Animal Biology, while the fourth, which is to be arranged for the illustration of Vegetable Biology, is temporarily fitted up for the accommodation of the Ferrier collection of minerals.

The public entrance opens into the north ground floor room, the wall-cases in which contain stuffed specimens of the various orders of Mammals, while the free-standing cases between the windows illustrate the comparative anatomy and development of that class. All the show-cases are constructed of iron and plate-glass, those destined for the exhibition of smaller specimens standing on wooden storage-cases, built of cherry and cedar, and containing skins and other specimens for private study. The south ground-floor room is devoted to the remaining vertebrate classes, the wall-cases containing stuffed specimens of birds, reptiles, batrachians and fishes, and the smaller cases between the windows containing specimens illustrating the comparative anatomy and development of these classes.

A handsome staircase decorated with busts of distinguished biologists connects the ground-floor and the first floor; a number of wall-cases in ascending series contains a small collection of fossils from all parts of the world, as a graphic illustration of the relative position of the fossiliferous strata, and of their characteristic remains.

The south first floor contains illustrative specimens of all the remaining branches of the animal kingdom, the arthropods and molluscs being exhibited in the wall cases and the table cases standing in the alcoves of these, while the protozoa, sponges, cœlenterates, echinoderms and worms are accommodated in the cases between the windows.

Although the Natural History Museum suffered consider-

able losses on the occasion of the University fire, these fortunately did not involve the large collection of models and specimens most useful from the educational point of view, while the generosity of public bodies and private individuals has largely repaired the losses referred to, so that the Museum will be found to constitute a most important addition to the instruction furnished in the lecture rooms and laboratories.

### Physiology.

*Professor of Physiology:* A. B. MACALLUM.

*Demonstrator of Physiology:* F. H. SCOTT.

*Assistant Demonstrators of Physiology:* W. J. O. MALLOCH, S. W. WESTMAN, A. C. HENDRICK.

1. A course of thirty lectures, with demonstrations, will be given in Physiology during the Easter Term for students of the First year.

2. The students of the Second year will attend throughout the Session a course of lectures and demonstrations in advanced physiology. In addition each student will be required to repeat for himself the important demonstrations and to familiarize himself with the subject from the experimental point of view. In order to facilitate this each student will devote six hours per week to systematic work in the physiological laboratory, and a record of the work so done, from week to week by him, will be kept by the demonstrator. At the end of the Session this record will be taken into consideration, along with the results of his written examinations, in determining the student's standing in the class lists. The laboratory course is so arranged as to give the student a thorough training in experimental physiology.

Arrangements will also be made for a weekly class review in physiology.



## Anatomy.

*Professor, and Director of the Anatomical Department:* A. PRIMROSE.

*Associate-Professor:* H. W. AIKINS.

*Demonstrator:* C. B. SHUTTLEWORTH.

*Assistant Demonstrators:* W. J. MCCOLLUM, W. J. O. MALLOCH, T. B.

RICHARDSON, S. W. WESTMAN, GEO. ELLIOTT, E. R. HOOPER,

W. J. WILSON, C. P. LUSH, A. C. HENDRICK, A. J.

MCKENZIE, D. MCGILLIVRAY.

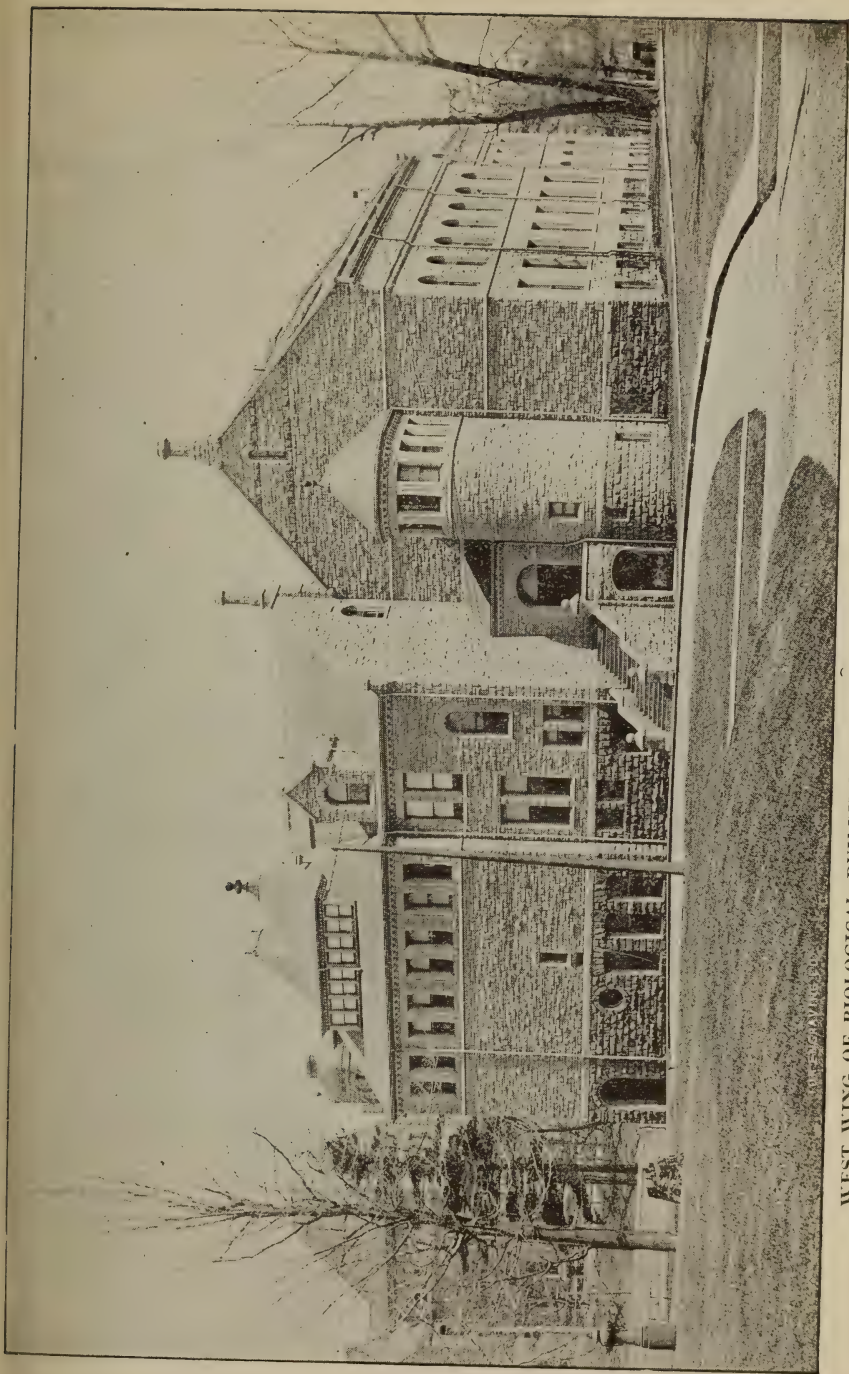
E. S. RYERSON.

**Lectures:—**A course of lectures will be given in the Biological Department for students of the First and Second years; in this course the structure of the human body will be described in a systematic manner; the various organs of the body will be examined with their more important relations and connections. In order that the course may be more comprehensive certain principles in general morphology and development will be elucidated. The lectures will be illustrated by recent dissections, by wet and dry preparations and by drawings and diagrams. In the class-room a projection apparatus will be employed for the purpose of throwing upon a screen an enlarged view of the photographs, taken from the valuable preparations which are displayed for study in the Museum. This greatly facilitates the demonstration of anatomical structure before a large class; plates of these preparations will be distributed among the students.

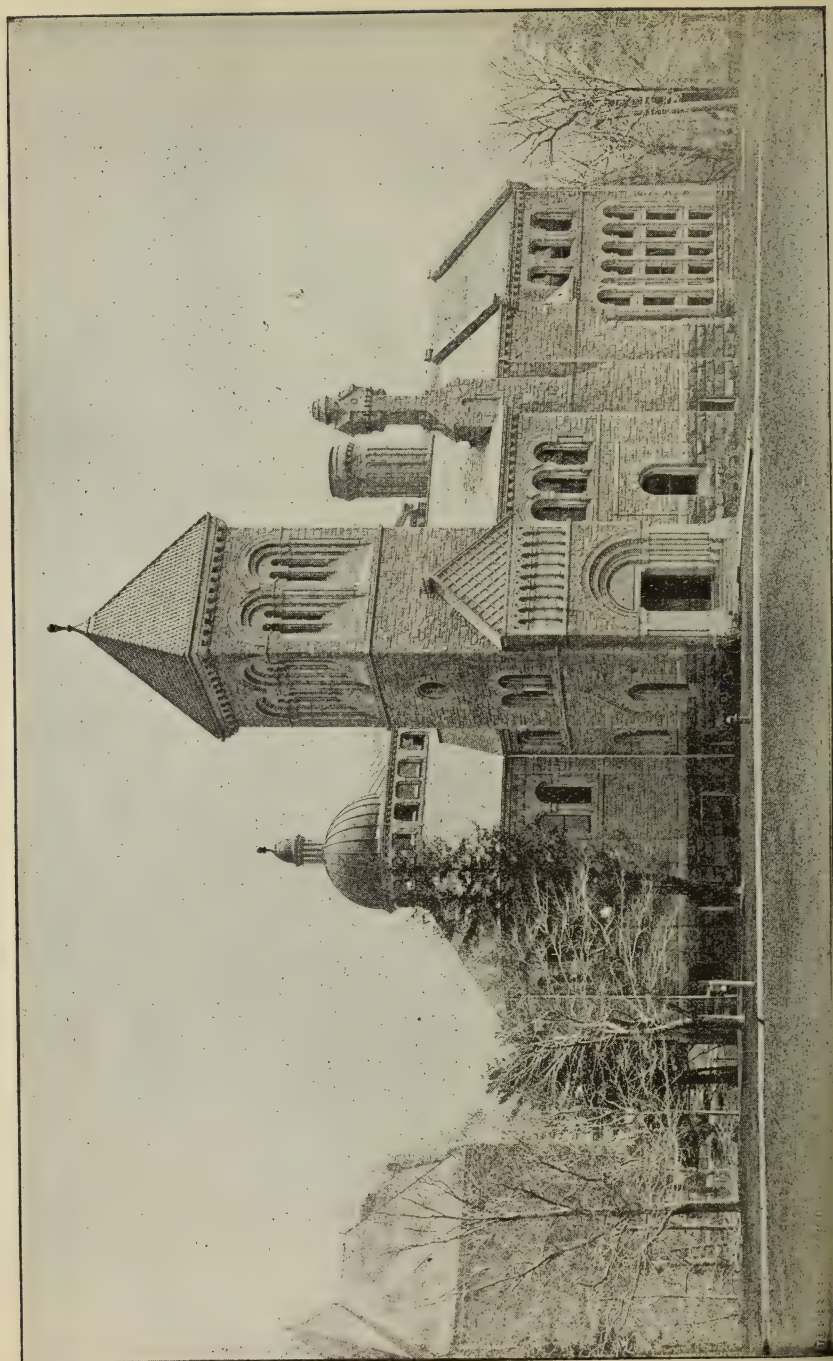
Tutorial instruction will be given to limited classes for the purpose of studying osteology, and for the demonstration of the structure of the central nervous system and the special sense organs.

A course of lectures will be given for students of the Third and Fourth years. This course will consist of a systematic study of the regional anatomy of the human body as applied in the practice of medicine and surgery. The lectures will be illustrated by suitable preparations, and a series of demonstrations of landmarks will be conducted on the living subject.

**Demonstrations:—**A series of demonstrations will be conducted daily for students of the Second year. In this class the main facts in gross human anatomy will be demonstrated from recent dissections.



WEST WING OF BIOLOGICAL BUILDINGS (Containing the Museum and Anatomical Department).





**Dissection:**—The dissecting-room will be open daily from 9 a.m. until 6 p.m. on Monday, Tuesday, Wednesday, Thursday and Friday and from 9 a.m. till 12 noon on Saturday. Students will be required to conduct their work in a systematic manner and to conform to the regulations in force in the dissecting-room. One or more of the Assistant-Demonstrators will be in attendance at all times for the purpose of superintending the work of the students, and of giving instruction. Examinations will be conducted from time to time on the parts dissected, and marks allotted for the work done. Certificates for work in practical anatomy are granted to such students only as have obtained the requisite number of marks in the examinations.

The dissecting-room is admirably adapted for the purposes of practical anatomy. It is large and well ventilated, and is equipped in such a manner as to afford every possible comfort and convenience to the student. Each student is provided with a locker for his private use. A notable feature of the dissecting-room is the excellent light, the room being lighted from the roof through extensive sky-lights, and when sunlight fails, electricity is employed with equally good effect.

**Museum:**—In connection with the dissecting-room a series of preparations have been mounted for the purpose of study. The disarticulated bones of the skeleton are included in this collection, together with frozen sections of the human body; wet preparations, illustrating regional anatomy, are also provided. A valuable and instructive series of Steger's models of frozen sections of His are exhibited in the Museum, together with a complete series of dissections of the brain and other preparations. Cunningham's series of models illustrating the topographical anatomy of the brain have recently been obtained.

Arrangements are such that a student may obtain bones from the osteological store-room, which he may take home for a limited period, if he so desire.

A pamphlet will be issued containing directions for the guidance of students of the class in anatomy, with the regulations for the dissecting-room. This should be procured by all students enrolled in the Anatomical Department.

## Materia Medica and Therapeutics.

*Professor of Materia Medica, Pharmacology and Therapeutics: J. M. MACCALLUM.*

The course in therapeutics includes: 1. General Therapeutics or the nature and action of remedies generally. 2. The various forms in which medicines are administered, and the channels through which they are introduced into the system. 3. Special therapeutics, of the more important medicines of the British Pharmacopœia, and of recent important but non-official medicinal substances.

There will also be dealt with such subjects as electricity in its application to disease, heat, cold, climate, massage, and hydrotherapy.

The following subjects will be considered in the course on materia medica and elementary therapeutics:—

1. The exhibition of drugs. This subject will be discussed as to the forms of drugs, and their mode of administration.

2. Therapeutic terms and definitions, with such explanations as may be necessary to make their use in the subsequent lectures understood.

3. General pharmaceutical operations, as solution, maceration, digestion, percolation, etc., the preparation of ointments, extracts, infusions, etc., the comparative values of the various solving menstrua and bases, and the effect upon drugs of the different pharmaceutical methods used.

4. The general principles of posology, and modifying influences.

5. The art of prescribing. Instruction in this subject will be directed with a view to indicate the means of ensuring that mixtures may be therapeutically effective, free from incompatibility and pleasing to the eye and taste.

6. Crude drugs. Their nomenclature, source, physical and chemical characters, active principles, medicinal properties, dose, impurities and adulterations, toxicological action, if any.

(a) Inorganic drugs.

(b) The carbon compounds.

(c) Plant drugs.

(d) Animal drugs.



7. Prepared drugs. The official and important officinal preparations will be considered individually as to their strength, method of preparation, dose, etc.

The collection of specimens of crude and prepared drugs is complete in every respect. These specimens will be handed to the students for inspection, at each lecture, and then returned to the glass cases in the Reading Room, where they may be further inspected. Provision will be made whereby all students of the class may secure a complete set of specimens, at a moderate cost, for home study.

### Medicine.

*Professor of Medicine and Clinical Medicine:* A. MCPHEDRAN.

*Associate-Professors of Medicine:* J. T. FOTHERINGHAM, R. D. RUDOLF.

*Professor of Clinical Medicine:* J. L. DAVISON.

*Associate-Professors of Clinical Medicine:* ALLEN M. BAINES, W. P. CAVEN, W. B. THISTLE, J. T. FOTHERINGHAM, A. R. GORDON,

R. J. DWYER, H. B. ANDERSON.

*Associates in Clinical Medicine:* G. BOYD, R. D. RUDOLF, G. CHAMBERS, H. G. PARSONS, W. GOLDIE.

These lectures are devoted to the consideration of the general principles of medicine and to the discussion of the internal diseases met with in this climate. When the subjects under consideration can be demonstrated to the whole class patients will be presented to illustrate the lectures. This method has been found of the greatest advantage. The wards and out-patient rooms of the several hospitals afford facilities for demonstrations to smaller classes. The lectures are also illustrated by lantern-slides, models, etc., from the Museum, and by morbid specimens from the Pathological Department.

To the Third year class a short special course of lectures is given on the physics of the various clinical phenomena.

### Clinical Medicine.

The teaching in Clinical Medicine is carried on at the Toronto General and St. Michael's Hospitals and the Victoria Hospital for Sick Children.

I.—THE STUDENTS OF THE THIRD YEAR are given instruction as follows:—

(1) In physical diagnosis.

(2) In case-taking and they are required to report cases in the out-patient departments and wards of the hospitals.

(3) Investigations in the Clinical Laboratory in connection with the cases falling under their observation.

II.—THE GRADUATING CLASS will receive instruction as follows:—

(1) Clinical lectures in the hospital theatres.

(2) Clinical instruction in small classes in the wards of the hospitals.

(3) They are required to prepare accurate histories and carry out the requisite laboratory investigations of the cases assigned to them.

(4) They are instructed in the various therapeutic means applicable to the cases under observation.

#### Diseases of Children.

This course comprises lectures to Third and Fourth year students on such subjects as diseases of the newly-born, infant feeding, diseases of the digestive system, the acute infectious diseases, etc. Daily clinics are held at the Hospital for Sick Children on medical and surgical cases in hospital.

#### Preventive Medicine.

*Professor of Preventive Medicine, Didactic and Clinical:* C. SHEARD.

The course will consist of not more than 25 didactic and not less than 25 clinical lectures on the subject of Preventive Medicine, including instruction on the Exanthemata.

#### Surgery.

*Professors of Surgery and Clinical Surgery:* I. H. CAMERON, F. LEM. GRASSETT, G. A. PETERS, L. TESKEY.

*Associate-Professor of Clinical Surgery and Clinical Anatomy:* G. A. BINGHAM.

*Associate-Professors of Clinical Surgery:* A. PRIMROSE, N. A. POWELL, W. OLDRIGHT, H. A. BRUCE, F. N. G. STARR.

*Associate-Professor of Clinical Surgery in Charge of Orthopædics:*

C. L. STARR.

*Demonstrators in Clinical Surgery:* W. MACKEOWN, C. A. TEMPLE, A.

H. GARRATT, C. B. SHUTTLEWORTH, T. B. RICHARDSON, J. F. UREN.

This course of lectures comprehends:—

1. The general principles of surgery, as based upon what is known of: (*a*) The natural history of diseases of a surgical character as they affect the human frame, as, for example, abscess, ulceration, mortification, tumours, etc.; (*b*) The processes of repair and regeneration taking place in tissues, which have been diseased, such as the healing of wounds, the expulsion of foreign bodies, as bullets, dead bone, etc.; and (*c*) The part played in the economy by micro-organisms, involving a consideration of the germ theory of disease.

2. Surgical Injuries.

(*a*) Of tissues, as fractures, dislocations, and injuries to nerves, blood vessels, etc.

(*b*) Of organs contained in the so-called cavities of the body, the brain, lungs and abdominal viscera.

3. Surgical diseases, as aneurism, varicose veins, calculus in the kidney or bladder, hernia, tuberculous diseases of joints, bones, testicles, etc., pyæmia, erysipelas, etc.

4. The correction of malformations, deformities and defects, as club-foot, spinal curvatures, hare-lip, cleft-palate and other conditions usually classified under the headings of orthopædic and plastic surgery.

The course will be illustrated by plates and drawings, by specimens from the Museum and fresh specimens from the operating and post-mortem rooms, and by special reference to clinical cases falling under the immediate observation of the students in the wards of the Hospitals.

#### Clinical Surgery.

In teaching clinical surgery, an effort is made to give as much personal instruction to each student as possible, and whenever it is practicable he is permitted to make a careful examination of the patients brought before the class. In order to facilitate this the classes are made small, and are graded to

some extent according to the degree of advancement of the students in their studies. Whenever dressings are done and apparatus applied in the presence of the classes, each step of the proceeding is explained by the surgeon and the clinical clerks and dressers participate in the actual work.

During his course, each student has an opportunity of acting as clinical clerk and dresser, thus being afforded facilities for coming into that immediate contact with the patient which is so important from the point of view of practice, and which lends so much additional interest to the cases in his charge.

The material available for the instruction of students is abundant, consisting of out-door and in-door patients in the Toronto General Hospital, St. Michael's Hospital, and the Hospital for Sick Children. In the last named institution may be found cases, in great numbers and varieties, illustrating all the diseases, deformities and defects, such as club-foot, hare-lip, hip-joint disease, Pott's disease, and other conditions met with most frequently in the young.

Special instruction is also given in the use of surgical appliances, splints, bandages, dressings, and the various details of minor surgery, and in the management of fractures and dislocations.

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## Pathology.

*Professor of Pathology and Bacteriology and Curator of the Museum and Laboratories:* J. J. MACKENZIE.

*Professor of Clinical Pathology:* H. B. ANDERSON.

*Associate Professor of Pathology and Bacteriology:* J. AMYOT.

*Laboratory Assistant in Bacteriology:* T. D. ARCHIBALD.

*Demonstrators of Pathology:* G. SILVERTHORNE, C. J. WAGNER.

*Assistant Demonstrators of Pathology:* W. H. PEPLAR, H. G. PARSONS,  
M. M. CRAWFORD, F. A. CLARKSON.

*Assistant in the Clinical Laboratory:* C. H. MONTGOMERY.

The course embraces lectures on general and special pathology, with demonstrations in gross morbid anatomy and pathological histology. The lectures to the Third year students will be mainly upon general pathology and bacteriology, and



those to the students of the Fourth year, upon special pathology. Post-mortem examinations are performed by the Professor of Pathology at the General Hospital, and the students of the Fourth year will be expected to take part in these. Gross demonstrations are given in the Hospital mortuary and in the Pathological Laboratory, not only upon fresh material obtained from the hospitals, but upon materials obtained at other institutions in the city and upon specimens from the pathological museum.

The Pathological Laboratory is fully equipped with microscopes and other apparatus necessary for the study of pathological histology and students of both years prepare and study about one hundred and fifty specimens of morbid tissue, the Third year students devoting their time to work in general pathology, whilst students of the Fourth year study the special pathological histology of the organs.

The clinical laboratories are under the charge of an assistant who is in constant attendance to give advice and instruction to students in their work in the examination of urine, blood, stomach contents, sputum, etc., and full records of the work of each student are preserved.

The pathological museum contains about one thousand specimens and is constantly growing, and students are given access to the cases and are expected to make as full use of the specimens as possible in their reading.

Classes bacteriology are held every afternoon throughout the session, and the students of the Third year are subdivided so as to give each student about eight weeks' continuous work in the bacteriological laboratory.

## Hygiene.

*Professor: W. OLDRIGHT.*

The student is recommended to obtain from one of the works mentioned in the list of text books an elementary knowledge of the subject of each next succeeding lecture. The information thus obtained will be supplemented in the lectures, and fuller consideration will be given to those points which require special attention on account of differences of

climate, population, occupations, social and political organization, and other circumstances in Canada. Students will also be guided in regard to sources of information and current literature relating to health work in this country.

In addition to the theoretical teaching, practical demonstrations will be given by means of various instruments. The following subjects will be embraced in the course: air, impurities and their effects, ventilation and heating; hygienic architecture; climatology; sewerage and disposal of refuse; water supplies; foods, dietaries, adulterations; occupations; physical and mental exercise and overwork; clothing; baths; contagion and infection, management of epidemics, quarantine; duties and functions of medical health officers and boards of health; vital statistics; sanitary legislation—federal, provincial and municipal.

#### **Museum of Hygiene.**

The increased accommodation of the new building has enabled the Faculty to greatly enlarge the Museum of Hygiene, and arrangements are in progress to increase the amount of apparatus and samples for teaching and illustrating the various branches of Hygiene, and exhibits contributed by manufacturers and other persons interested in the subject.

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### **Toxicology.**

*Professor: W. H. ELLIS.*

A series of lectures and demonstrations on toxicology is given under the following heads:—

#### **THE NATURE OF POISONS.**

Their properties, physical, chemical and physiological.

#### **THE OCCURRENCE OF POISONS.**

In nature, in the arts, and in common life. Danger from poisoning incidental to particular callings. Genesis of poisons in the dead and in the living body.

#### **ANTIDOTES TO POISONS.**

#### **THE DETECTION OF POISONS.**

Identification of poisons in the pure state. Separation from organic matter.

Post-mortem examinations for poisons.

## Medical Jurisprudence.

*Professor:* N. A. POWELL.

*Legal Lecturer:*

The course will embrace the discussion of the following subjects in their medico-legal aspects:—

Reports and written opinions; expert evidence; Coroner's Law.

The identity of the person—living and dead.

Death; its causes, signs, and period of occurrence. Apparent death; autopsy; exhumation.

Injuries to the person,—in connection with which will be considered wounds and other external injuries; blood-stains; suffocation, hanging and strangling; drowning and starvation.

Offences against chastity, including rape, criminal abortion and infanticide.

Live birth, legitimacy, congenital defects and feigned diseases.

Life insurance.

Malpractice.

Suicide.

Medical ethics.

## Mental Diseases.

*Extra-Mural Professors:* N. H. BEEMER, J. C. MITCHELL.

The course of lectures will be chiefly clinical, and given at the Asylums. The subjects discussed will be of a practical nature as far as possible, and may be classified as follows:—

1st. Definitions and errors arising therefrom in the study of insanity.

2nd. The brain and its exceptional construction and functions.

3rd. The brain as an organ of the mind.

4th. Sanity and insanity in their relation to one another.

5th. Different forms of insanity, illustrated by patients.

6th. The moral treatment of the insane.

7th. The medical treatment of the insane in the various forms of their diseases.

## Obstetrics, Gynæcology and Pediatrics.

*Professor of Operative Obstetrics and Gynæcology:* J. ALGERNON TEMPLE.

*Professor of Obstetrics:* A. H. WRIGHT.

*Professor of Gynæcology:* J. F. W. ROSS.

*Associate-Professor of Obstetrics and Pediatrics:* H. T. MACHELL.

*Associate-Professor of Pediatrics:* A. M. BAINES.

*Associates in Obstetrics:* K. C. McILWRAITH, F. FENTON.

There will be two separate courses in obstetrics; one for the students of the Third year in physiological obstetrics, and the other for students of the Fourth year in pathological obstetrics.

The Third year course in physiological obstetrics will include the following: anatomy and physiology of the female organs of reproduction; physiology of pregnancy; physiology, mechanism, and management of labor; management of the puerperal state; management of the infant.

The Fourth year course on pathological obstetrics will include: diseases of pregnancy, abortion and premature labor, dystocia, accidents before and after delivery, obstetrical operations, puerperal diseases, including septicæmia.

Practical demonstrations will be given on the phantom or cadaver, and diagrams, specimens, models, etc., will be used in illustrating the various subjects treated of in the two courses.

In the department of Gynæcology instruction will be given on the various methods of examination and diagnosis; the use and application of instruments; and the symptoms, diagnosis and treatment of diseases peculiar to women.

The disorders of menstruation, leucorrhœa, chlorosis, metritis in its various forms, tumours, displacements and diseases of the uterus and ovaries, lacerations of the cervix uteri and perineum, and abdominal surgery will be treated of and illustrated by large plates, casts and morbid specimens in the didactic course, while operative gynæcology will be demonstrated in the clinics in the Toronto General Hospital.

A special course of instruction in Disease in Children will be conducted by the Associate-Professor of Obstetrics and



Pediatrics. He will be assisted in the clinical work by other members of the Faculty who are on the staff of the Hospital for Sick Children.

### Ophthalmology and Otology.

*Professors:* R. A. REEVE, G. S. RYERSON, G. H. BURNHAM.

*Associates:* C. TROW, J. M. MACCALLUM.

In addition to a short course of didactic lectures on Diseases of the Eye and Ear at the College, practical instruction will be given four times in the week at the clinics in the Provincial (Mercer) Eye and Ear Infirmary, Toronto General Hospital.

### Laryngology and Rhinology.

*Professor:* G. R. McDONAGH

*Associate-Professor:* D. J. GIBB WISHART.

*Associate:* GEOFFREY BOYD.

In the department of Laryngology and Rhinology, a course of practical lectures on the commoner forms of disease of the Throat and Nose will be given, and in the General Hospital there will be clinical teaching and opportunities for examining patients twice a week.

### The Toronto General Hospital.

The following members of the Faculty are members of the staff of the Toronto General Hospital:—

#### *Consulting.*

PROF. J. H. RICHARDSON, M.D.

PROF. J. THORBURN, M.D.

PROF. U. OGDEN, M.D.

#### *Physicians.*

PROF. A. MCPHEDRAN, M.B.

PROF. J. L. DAVISON, M.D.

PROF. C. SHEARD, M.D.

PROF. W. P. CAVEN, M.B.

#### *Surgeons.*

PROF. I. H. CAMERON, M.B.

PROF. G. A. PETERS, M.B.

PROF. F. LEM, GRASSETT, M.B.

PROF. L. TESKEY.

*Emergency Branch.**Surgeons.*

PROF. G. BINGHAM, M.B.  
 PROF. A. PRIMROSE, M.B.  
 PROF. N. A. POWELL, M.D.  
 PROF. F. N. G. STARR, M.B.

*Physicians.*

PROF. A. M. BAINES, M.D.  
 PROF. J. M. MACCALLUM, M.D.  
 PROF. F. T. FOTHERINGHAM, M.D.  
 PROF. W. B. THISTLE, M.B.  
 G. CHAMBERS, M.B.

*Out-door.**Surgeons.*

PROF. H. A. BRUCE, M.B.  
 A. H. GARRATT, M.D.  
 C. A. TEMPLE, M.D.  
 PROF. C. L. STARR, M.B.

*Physicians.*

W. H. PEPLER, M.D.  
 C. B. SHUTTLEWORTH, M.D.  
 PROF. A. R. GORDON, M.B.  
 PROF. R. D. RUDOLF, M.D.

*Gynaecology and Obstetrics.*

PROF. J. ALGERNON TEMPLE, M.D.      PROF. A. H. WRIGHT, M.D.  
 PROF. J. F. W. ROSS, M.B.

*Assistants in Obstetrics.*

K. C. McILWRAITH, M.B.      F. FENTON, M.D.

*Pathology.*

PROF. J. J. MACKENZIE.      H. G. PARSONS, M.D.  
 PROF. H. B. ANDERSON, M.D.      PROF. J. AMYOT, M.B.  
 W. GOLDIE, M.B.

*Ophthalmology and Otology.*

PROF. R. A. REEVE, M.D.      C. TROW, M.D.  
 PROF. G. S. RYERSON, M.D.      PROF. G. H. BURNHAM, M.D.

*Rhinology and Laryngology.*

PROF. G. R. McDONAGH, M.D.      PROF. D. J. GIBB WISHART, M.D.

*Assistant in Rhinology and Laryngology.*

G. BOYD, M.B.

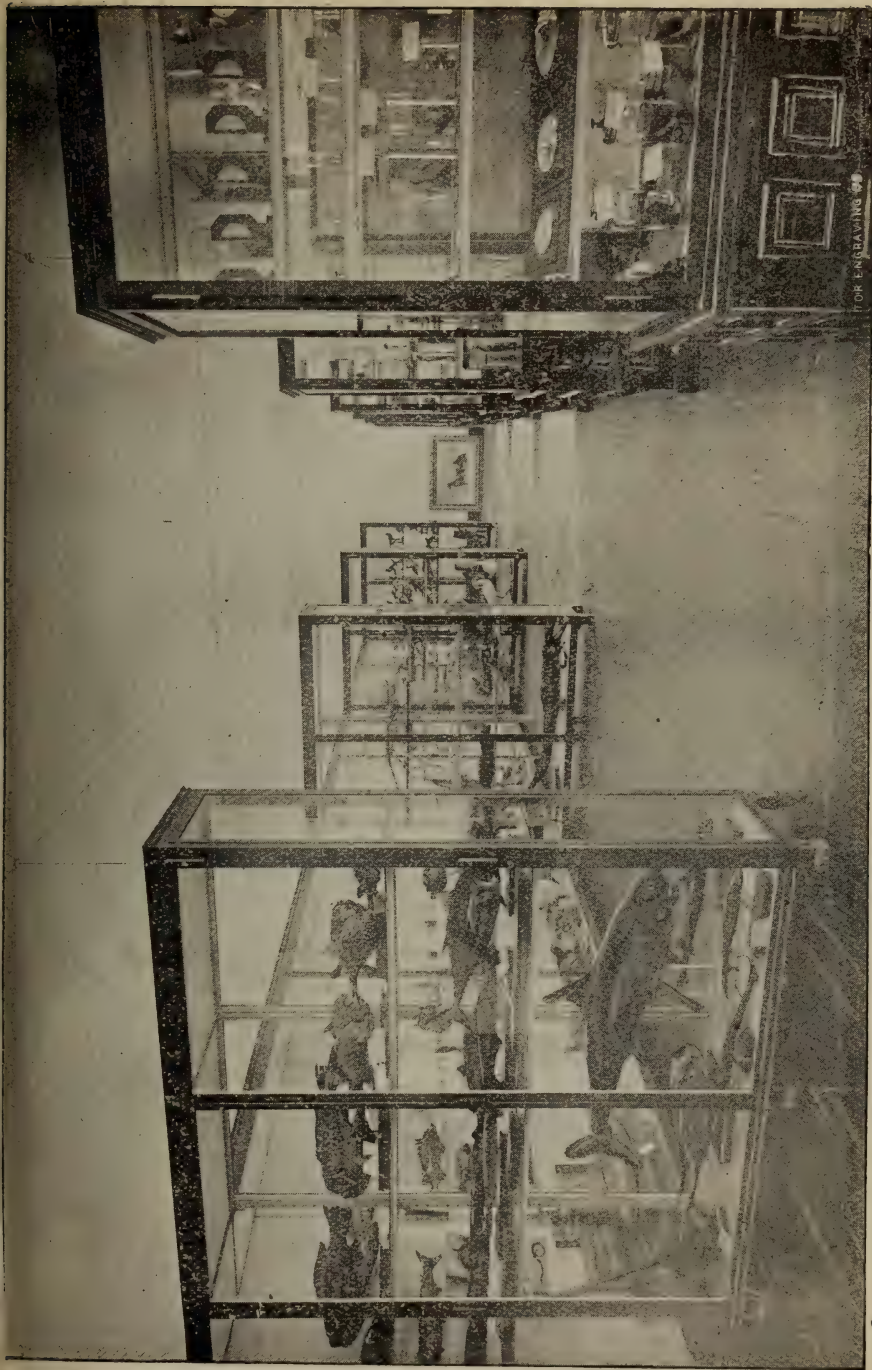
*Anæsthetists.*

W. J. O. MALLOCH, M.B.      G. B. RICHARDSON, M.D.  
 GEO. ELLIOTT, M.D.      E. R. HOOPER, M.B.  
 W. J. MCCOLLUM, M.B.

*Registrars.*

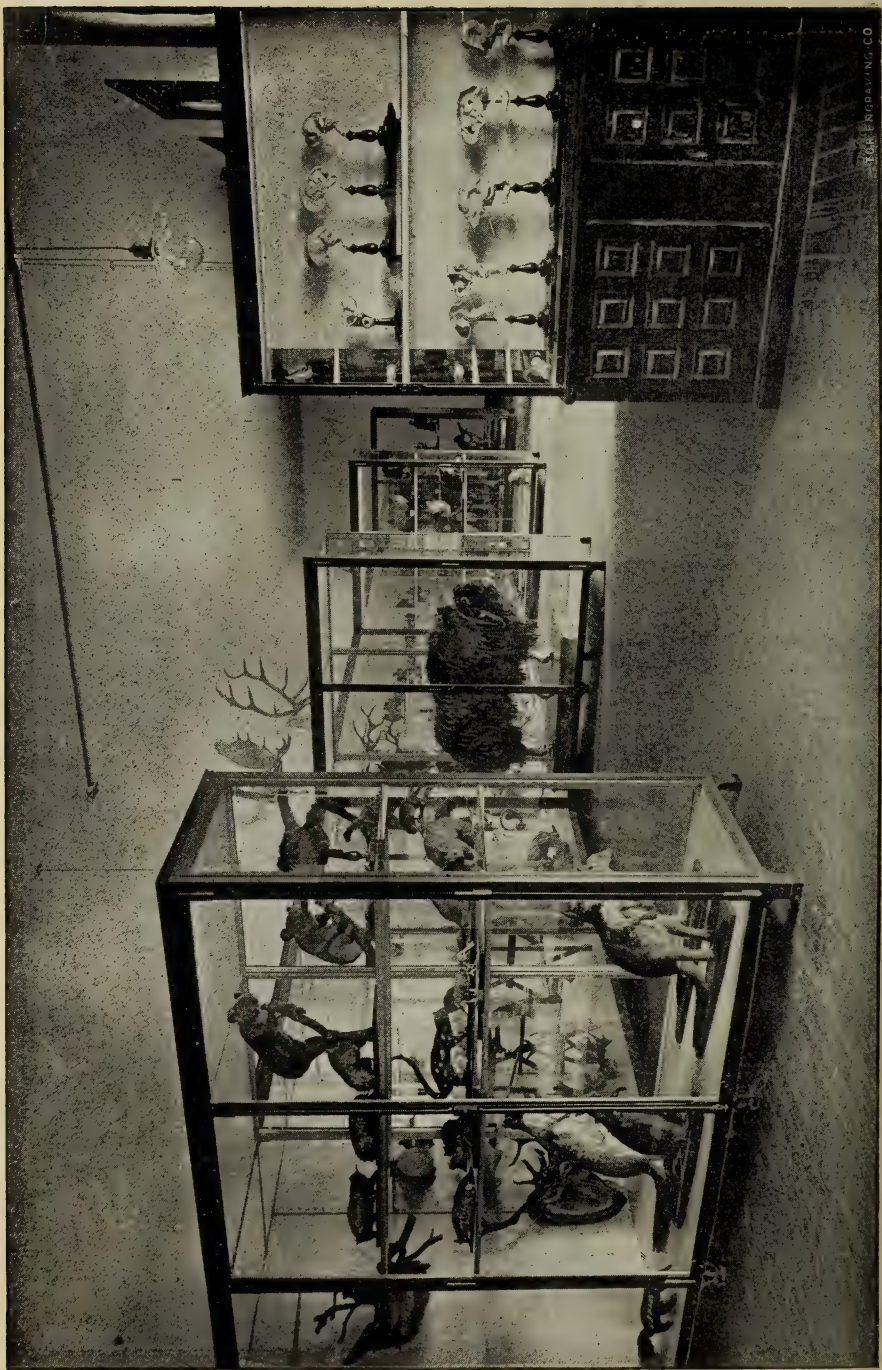
A. C. HENDRICK, M.B.      E. S. RYERSON, M.D.  
 C. P. LUSK, M.D.      D. MCGILLIVERY, M.B.  
 S. H. WESTMAN, M.B.      R. J. DWYER, M.B.

The Hospital has now 425 beds, and during the year the number of in-patients under treatment has varied from 250 to 300. During last year about 3,300 patients were admitted,



THE UNIVERSITY BIOLOGICAL MUSEUM—View of South Portion of Ground Floor.







and 16,000 patients received treatment in the out-door department.

All the patients in the Hospital are, as a rule, suffering from acute medical or surgical disease; the chronic cases are generally sent to the Home for Incurables or House of Providence, and the convalescent patients are sent to the new Convalescent Home, recently erected on Wells's Hill.

### Clinical Teaching.

Clinical instruction is given in the various departments of the Hospital on all classes of patients.

I. *Theatre Lectures*:—Clinical Lectures are given daily, on patients brought from the wards to the large theatre, by the professors of clinical medicine and of clinical surgery to the students of the Third and Fourth years.

#### II. *Instruction in the Wards*:

(a) *Medicine and Surgery*:—A systematic course of bedside instruction is given to a limited class of students. Arrangements are such that each physician and surgeon or his assistant is in daily attendance for the purpose of imparting instruction at the bedside. By this means provision is made for continuous daily work in the ward, and students of both Third and Fourth years are required to avail themselves of it.

(b) *Gynæcology*:—Small classes of students receive instruction in diseases peculiar to women in the pavilion specially devoted to the treatment of such patients. These classes meet twice a week. Increased facilities have recently been provided for an out-door gynæcological clinic.

(c) *Obstetrics*:—In the Burnside Lying-in Hospital, in which there are over 200 births a year, final students are permitted to witness and assist in the conduct of *labours*. Students are also allowed to make engagements with out-patients and to attend them in confinements at their own homes.

(d) *Ophthalmology, Otology, Laryngology and Rhinology*:—Diseases of the eye, ear, throat, and nose are studied in the wards of the Andrew Mercer Infirmary.

III. *Surgical Operations*:—Surgical operations are performed in the large theatre on Tuesday and Friday afternoons, or in cases of emergency at any time during the day or night when required. The theatre, which has recently been altered and enlarged, is capable of seating 600 students, and in the completeness of its arrangements is not excelled. The facilities afforded the students situated in all parts of the room for witnessing operations in all their details are unusually good.

IV. *Out-patient Clinics*:—The new addition to the Hospital for the accommodation of out-patients affords ample facilities for instruction in the important class of diseases which here pass under observation. A physician and a surgeon are in attendance daily, and instruction is given on the patients. The cases presenting themselves in the special departments of the Hospital devoted to diseases of the eye, ear, etc., are available in the same manner. There will also be an out-door clinic in gynaecology.

V. *Emergency Branch*:—In this department of the General Hospital an unlimited variety of recent injuries are utilised for purposes of clinical teaching, and small classes of students are from time to time permitted to avail themselves of the opportunities here afforded for instruction in this important department of surgery.

VI. *Pathology*:—

(a) *Autopsies*:—These are performed at stated hours by the Professor, or the Demonstrator of Pathology. The examinations are conducted in a systematic way, and instruction on the morbid conditions found is imparted to the students. The bearings of the gross post-mortem appearances on the conditions previously found at the bedside are carefully investigated, and, when necessary, arrangements are made for further examination, microscopical and chemical. There are about 200 autopsies during the year. Recently the theatre in which autopsies are made has been completely remodelled and every facility is provided for conducting the examinations. The light is excellent and the room capable of accommodating 150 students.

(b) The examination and analysis of the various fluids, excreta and pathological products of patients in the wards, are conducted in the University hospital laboratory. Students are required to keep systematic records of the results obtained by these examinations.

(c) A series of lectures and demonstrations will be given by the Anæsthetist of the Hospital, H. C. Scadding, M.D., on the administration of anæsthetics. These lectures and demonstrations will be given to classes composed of a limited number of students. A fee of \$5 will be charged to each student who takes the course.

#### Clinical Clerks and Surgical Dressers.

Clinical clerks and surgical dressers are appointed to act for limited periods. They are required to take complete histories of cases allotted to them, and to receive certificates for the same, as required by the Ontario Medical Council. Post-mortem clerks are appointed, and are required to make complete reports of all autopsies made in the post-mortem room, which is situated in the Hospital grounds. Clinical clerks and surgical dressers are also appointed in the departments of gynæcology, ophthalmology, and otology.

#### Resident Assistants in the Hospital.

Five resident assistants are appointed annually from the graduates in medicine of the University, and hold their positions for one year. They will have full opportunities for acquiring experience in the general and special wards of the Hospital, and during the session they will have charge under the physicians and surgeons in the general wards.

For the year 1902-3 they were:—

P. W. SAUNDERS, B.A., M.B.  
J. D. CHISHOLM, M.B.  
R. H. MULLIN, B.A., M.B.

J. A. MCCOLLUM, M.B.  
A. B. RUTHERFORD, M.B.

## Hospital for Sick Children.

The following members of the Faculty are members of the Hospital staff:—

### *Consulting.*

PROF. U. OGDEN, M.D.  
PROF. J. F. W. ROSS.

PROF. J. THORBURN, M.D.  
PROF. C. SHEARD, M.D.

### *Physicians.*

PROF. A. MCPHEDRAN, M.B.  
PROF. A. M. BAINES, M.D.  
PROF. H. T. MACHELL, M.B.

PROF. J. T. FOTHERINGHAM, M.D.  
PROF. W. B. THISTLE, M.D.  
PROF. H. B. ANDERSON, M.D.

### *Surgeons.*

PROF. I. H. CAMERON, M.B.  
PROF. G. A. BINGHAM, M.D.  
PROF. A. PRIMROSE, M.B.

PROF. G. A. PETERS, M.B.  
PROF. N. A. POWELL, M.D.  
PROF. CLARENCE E. STARR, M.B.

### *Ophthalmology and Otology.*

PROF. R. A. REEVE, M.D.

PROF. J. M. MACCALLUM, M.D.  
G. TROW, M.B.

### *Rhinology and Laryngology.*

PROF. G. R. McDONAGH.

PROF. D. J. GIBB WISHART.

### *Physician to the Infectious Wards.*

PROF. R. D. RUDOLF, M.D., C.M.

### *Pathologists.*

W. H. PEPLER, M.D.

W. J. O. MALLOCH, M.B.

### *Bacteriologist.*

PROF. J. J. MACKENZIE, B.A., M.B.

W. GOLDIE, M.B.

### *Out-door and Assistant.*

PROF. F. N. G. STARR, M.B.  
C. B. SHUTTLEWORTH, M.B.

H. C. PARSONS, M.B.  
G. BOYD, M.B.

### *Anæsthetist.*

S. H. WESTMAN, M.B.

This large Hospital, with 160 beds, is entirely devoted to disease in children. In the clinics, cases exemplifying the various diseases in infancy and childhood will be exhibited. Abundant opportunities for a personal examination of all cases will be afforded.

Resident assistants are appointed annually from the grad-



uates in medicine of the University, and hold their position for the year. The opportunity thus afforded for obtaining a practical knowledge of this very important department of medical practice is unsurpassed.

For the year 1902-3 they were:—Messrs. J. A. S. Graham, M.B.; A. B. Wright, M.B.

### St. Michael's Hospital.

This institution is conducted as a General Hospital; where medical, surgical and obstetrical cases are admitted. The number of patients admitted last year was about 1,500. The accommodation has recently been enlarged by the addition of a new wing, so that there are now 160 beds. An operating theatre has been provided, constructed with all the necessary modern equipment for the practice of antiseptic surgery.

Clinical instruction is given in this Hospital by those members of the staff who are also on the teaching staff of the University of Toronto. Opportunity is also provided for the study of Pathology. Post-mortem examinations are conducted systematically so that students may avail themselves of the material in this department. Clinical clerks and surgical dressers are appointed from the students in attendance at the Hospital.

Resident assistants are appointed annually from the graduates in medicine of the University of Toronto.

For the current year they are:—

F. J. COLLING, M.B.

F. J. DOHERTY, M.B.

C. S. WAINWRIGHT, M.B.

The following members of the Faculty are members of the staff of St. Michael's Hospital:—

#### *Physicians.*

PROF. A. MCPHEDRAN, M.D.

PROF. R. J. DWYER, M.B.

PROF. H. B. ANDERSON, M.D.

#### *Physician and Dermatologist.*

GRAHAM CHAMBERS, M.B.

#### *Surgeons.*

PROF. I. H. CAMERON, M.B.

PROF. H. A. BRUCE, M.B.

PROF. A. PRIMROSE, M.B.

PROF. G. A. BINGHAM, M.B.

PROF. J. AMYOT, M.B.

W. MACKEOWN, M.B.

PROF. W. OLDRIGHT, M.D.

J. F. UREN, M.D.

*Gynaecologist.*

PROF. J. F. W. ROSS, M.B.

*Assistant Surgeon.*

PROF. H. W. AIKINS, M.B.

A. H. GARRATT, M.D.

G. SILVERTHORN, M.B.

C. A. TEMPLE, M.D.

*Ophthalmology and Otology.*

PROF. J. M. MACCALLUM, M.D.

**Text Books.**

*Anatomy*—Cunningham's Text Book, \$—; Morris, \$6; Gray, \$7; Quain; Cunningham's Practical Anatomy, 2 vols, \$6; Ellis's Demonstrations of Anatomy, edited by Thane, \$3.75; Brodie's Atlas of Dissections, Illustrated, 4 vols., \$9.50; Anatomy and Physiology of the Nervous System, L. F. Barker, \$5. Deaver's Surgical Anatomy; Embryology, Heisler; Anatomy of the Nervous System, Edinger.

*Physiology*—Foster, 4 vols., \$9, New American edition, 1 vol., \$5; Howell, American Text Book of Physiology, \$6; Waller, \$4; Stewart, \$3.75; Brodie, Essentials of Experimental Physiology, \$1.75; Text Book of Physiology, edited by E. A. Schafer, 2 vols., \$18; Huxley's Elements of Physiology (ed. 1900); Hall's Text Book of Physiology; Chapman's Physiology; Kirke's Physiology, edited by Halliburton (English edition), \$3; Schenck and Gurber's Outlines.

*Histology*—Schafer Practical Histology, \$2.25; Stohr's Text Book, edited by Schaper, \$3; Piersol, \$3.50; Böhm, v. Davidoff & Huber, Text Book of Histology, \$ ; Schäfer's Essentials of Histology, \$2; Langley, Practical Histology.

*Chemistry*—Remsen College Chemistry, or Newth, Inorganic Chemistry; Remsen, Organic Chemistry. Other books of reference recommended: Bloxham, Chemistry (Inorganic and Organic); Richter, Inorganic Chemistry.

*Pharmacology and Therapeutics*—Hare's Practical Therapeutics, \$4; Yeo's Clinical Therapeutics, 2 vols., \$5; Bruce, \$1.50; Hale White, \$2.50; Farquharson, \$2.50; Brunton, \$5.50; Heebner's Synopsis of B. P. Preparations, \$1.50; Cushny, Pharmacology, \$ ; Shoemaker, Mat. Med. and Therapeutics; Sollmann's Pharmacology.

*Surgery*—Erichsen, 2 vols., \$11; Moullin, \$6; Walsham, \$3; Treves' System, 2 vols., \$12; Treves' Surgical Operations, \$2; American Text Book of Surgery, \$7; Jacobson, the Operations of Sur-

gery, \$9; Zuckerkandl's Atlas of Operative Surgery, \$3; Wharton's Bandaging and Minor Surgery, \$3; Kocher's Operative Surgery, translated by Stiles, \$3.50; Surgery, by American Authors, Roswell Park, \$9; White & Martin, on Genito-Urinary Diseases, \$6.50; Surgical Diagnosis and Treatment, Macdonald, \$5; Traumatic Injuries of the Brain, Phelps, \$5; Fractures and Dislocations, Stimson, \$5; J. Clarke on Orthopædic Surgery, \$5; Fox's Atlas of Skin Diseases; Genito-Urinary Diseases, Lydston; International Clinics.

*Medicine*—Osler, \$5.50; Wood and Fitz, \$6; Fagge, 2 vols., \$12; Strumpell, \$6; Allbutt's System, 8 vols., \$44; Loomis' System, 4 vols., \$20; Tyson, \$5.50; Gowers, on Nervous System, \$7; Fowler & Godlee, Diseases of the Lungs, \$6; Dictionary of Treatment, Whitla, \$4; Cyclopaedia of Practical Medicine, Sajous, \$30; Encyclopaedia of Medicine, 12 vols., Anders, Thompson, Nothnagel's Encyclopedia, \$5 per vol.

*Clinical Medicine*—Gibson & Russell, \$2.50; Finlayson, \$2.50; Vierordt, \$4; Musser, \$6; Clinical Diagnosis, Simon, \$3.50; Hemmeter, Diseases of the Stomach.

*Midwifery*—The Practice of Obstetrics, by American authors, edited by Jewett, \$6; American Text-book of Obstetrics, edited by Norris, \$7; Whitridge Williams, \$6; Lusk, \$5; Hirst, \$5; Galabin, \$4; Evans, \$3; Jellett, \$3; Fothergill, \$3; Clinical Obstetrics, Jardine, \$....

*Gynaecology*—Thomas & Munde, \$5; Galabin, \$2.25; Garrigues, \$4; Hart & Barbour, \$5; Pozzi, 2 vols., \$12; Allbutt & Playfair, a System of Gynæcology, \$6; Hermann, \$5; Kelly, Oper. Gynæcol., 2 vols., \$15; Cancer of the Uterus, Cullen; Dudley, \$5; Penrose, \$ ; C. A. L. Reed.

*Disease in Children*—Ashby & Wright, \$5; Eustace Smith, \$5; Holt, \$7; Goodhart & Still; Hoplick; Dawson Williams, \$3.50; Taylor & Wells, \$4.

*Pathology*—Ziegler, \$5; Delafield & Prudden, 6th edition; American Text Book of Pathology; Green, \$2.50; Coates, \$6; Thoma; Bacteriology, Abbott, \$2.75; Post Mortem Examinations, J. Caven, \$1; Practical Urinalysis, Purdy.

*Medical Jurisprudence*—Taylor, \$4.50; Reese, \$3; McLane Hamilton, \$11; Witthaus & Becker, \$20.

*Hygiene*—Parkes & Kenwood, \$3; Egbert, \$2.25; Wilson, \$3; Bergey, \$3; Normal School Manual, 50 cents. For reference—Harrington's Practical Hygiene, \$4.25; Stevenson & Murphy, Vol. 1 and 2, \$12; DeChaumont's Parkes, \$4; Abbott's Hygiene of Transmissible Disease, \$2; Principles of Sanitary Science and Public Health, Sedgwick, \$3.

*Dermatology*—Crocker, \$4.50; Robinson, \$5; Jamieson, \$6; Stelwagon, \$5.

*Biology*—Parker, \$2.60; Muxley, \$2.60.

*Physics*—Gage's Principles of Physics, \$1.30.

*Ophthalmology*—Nettleship, \$2.25; Swanzy, \$3; Juler, \$5.50; de Schweinitz, \$4; Carter & Frost, \$2.25; J. Edward Jackson, \$2.50; May, \$2; Posey & Wright, Diseases of Eye, Ear, Nose and Throat.

*Otology*—Pritchard's, \$1.50; Field, \$3.75; Buck, \$2; Roosa, \$5.25; Bacon's Manual of Otology, \$2.

*Mental Diseases*—Daniel Clark, \$1.25; Savage, \$2; Accident and Injury, Bailey, \$5.

*Laryngology*—Lennox Brown, \$8; Bosworth, \$4.50; Price Brown, \$3.50; Coakley, \$2.75.

### Fees.

|   |         |
|---|---------|
| Registration (payable once only) .....                    | \$ 5 00 |
| The tuition fees for the first year amount to.....        | 100 00  |
| The tuition fees for the second year amount to.....       | 100 00  |
| The tuition fees for the third year amount to.....        | 100 00  |
| The tuition fees for the fourth year amount to.....       | 100 00  |
| Biological laboratory supply fee in first year.....       | 2 00    |
| Biological laboratory supply fee in second year.....      | 3 00    |
| Physiological laboratory supply fee in second year....    | 2 00    |
| Chemical laboratory supply fee in first and second years. | 3 00    |

The annual fee for instruction in medicine in each of the four years is \$100 if paid on or before November 1st of the session, or \$105 if paid in instalments. The first instalment of \$55 must be paid on or before November 1st, and the second instalment of \$50 on or before February 1st.

Students receiving instruction during the Fifth year are required to pay a fee of \$50. On the payment of this fee the student shall be permitted to attend all clinics and whatever didactic lectures he may desire: he shall also be permitted to take laboratory work on the payment of the laboratory fees.

But no student shall be admitted to any of the University laboratories or lecture-rooms until all the fees which may be due by him, for the session or term, have been paid.

Students who registered in the Faculty of Medicine before the year 1897 will be permitted to receive instruction in the University of Toronto on payment of the fees stipulated in the Calendar for the session 1896-97.



Students in the Fourth year will be required, in addition, to pay a fee of \$5 for the extra-mural class in Medical Psychology.

Fees connected with examinations and the granting of Degrees:—

|  |         |
|--|---------|
| For Matriculation or Registration of Matriculation.... | \$ 5 00 |
| For Annual Examinations (each).....                    | 14 00   |
| For Examination in Practical Chemistry.....            | 0 50    |
| For Admission <i>ad eundem statum</i> .....            | 10 00   |
| For the Degree of M.B.....                             | 20 00   |
| For the Degree of M.D.....                             | 20 00   |
| For Admission <i>ad eundem gradum</i> .....            | 20 00   |

The fee for examination and, in the case of candidates of the Fourth year, that for the degree, must be paid to the Bursar not later than April 15th.

Tickets of admission to any of the courses of lectures or practical instruction will be issued by the Registrar of the University on payment of the fees, and the attendance of the students at such courses must be certified by the professors, lecturers, demonstrators or instructors, before such tickets will be received by the Registrar as entitling the possessors to proceed to examination.

Matriculated students or graduates in the Faculty of Arts, who have attended during the Arts course any course of lectures or of practical instruction of the character and duration required by the curriculum in medicine, may obtain certified tickets for the same from the Registrar of the University in payment of the ordinary fee demanded from students in medicine.

Matriculated students or graduates in Arts in the department of Natural Sciences who are taking or have taken the Honour course in any subject in the Faculty of Arts which is or shall be held by the Senate equivalent to any of the subjects prescribed in the medical curriculum, may be permitted to take Practical Anatomy, on the payment of a fee of \$50; Anatomy, a course of lectures, \$20; Materia Medica, a course of lectures, \$15. Such students may also be permitted to present themselves for examination at the end of the session, pro-

vided they have duly registered as students in the Faculty of Medicine and possess the certificates required for the examination, as detailed in this Calendar.

Matriculated students or graduates in Arts in the department of Natural Sciences who have taken honours in any examination in the Faculty of Arts which is or shall be held by the Senate equivalent to any of the examinations prescribed in the medical curriculum, may obtain tickets for such qualifying classes attended by them without the payment of the corresponding fees.

Certificates of attendance on such lectures or demonstrations will only be given on the presentation of such tickets.

The Hospital fees—payable to the Hospital authorities—are as follows:—

|                                  |         |
|----------------------------------|---------|
| Perpetual ticket .....           | \$34 00 |
| Annual ticket .....              | 14 00   |
| Burnside Lying-in Hospital ..... | 8 00    |

### Undergraduate Scholarships.

The following scholarships are annually offered for competition amongst students who attend the Lectures of the University Medical Faculty:—

|                            |             |
|----------------------------|-------------|
| At First examination.....  | one of \$50 |
| At First examination.....  | one of \$30 |
| At Second examination..... | one of \$50 |
| At Second examination..... | one of \$30 |

Every student taking a scholarship is required to sign a declaration that it is his intention to pursue his medical studies for two or three years, according to the year in which he has taken such scholarship, and to proceed to a degree in the University of Toronto, and that he is not an undergraduate or graduate in the Faculty of Medicine of any other University.

No scholarship will be awarded to any candidate who has not obtained honours in the examination for which it is conferred.

Each scholarship is tenable for one year only, but a scholar of one year is eligible for the scholarship of a succeeding year.

The scholarships or medals are not open to those who are at the same time undergraduates or graduates in Medicine of another University.

No undergraduate in the Honour course, who shall have degraded into a lower year, shall be permitted at any ensuing examination to compete for medals or scholarships, except by special permission of the Faculty, to be granted only in case of illness or for other grave reasons.

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### **Medals, Prizes, and Certificates of Honour.**

A gold medal and three silver medals the gift of the Faculty are offered annually for competition among those students of the Medical Faculty who are honour candidates for the degree of M. B., and will be awarded by the Senate on the recommendation of the Examiners.

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### **Prize in the Department of Medical Psychology.**

Dr. Daniel Clark, Superintendent of the Asylum for the Insane at Toronto, has offered two prizes, the first prize to consist of \$30 and the second prize of \$20, for the purpose of stimulating the students in their work in the Department of Medical Psychology. The awards will be made to the candidates who pass the best examinations on the subject of Mental Diseases.

## Time Table, Session 1903-1904.

| First Year.                                     |             |       |             |             |       |             |
|---|-------------|-------|-------------|-------------|-------|-------------|
|   | MON.        | TUE.  | WED.        | THU.        | FRI.  | SAT.        |
| Elementary Biology and Physiology .....         | 9           | ..... | 3           | .....       | 9     | .....       |
| Practical Biology .....                         | .....       | 9-11  | .....       | .....       | ..... | 9-11        |
| Practical Chemistry .....                       | 11          | 1-5   | .....       | .....       | ..... | .....       |
| Anatomy .....                                   | 12          | 11    | 10          | 10          | 11    | .....       |
| Chemistry .....                                 | .....       | ..... | 11          | 11          | 12    | .....       |
| Physics .....                                   | .....       | ..... | 12          | .....       | ..... | .....       |
| Materia Medica .....                            | .....       | ..... | 2           | 2           | ..... | .....       |
| Practical Anatomy .....                         | 3-6         | 1-6   | 3-6         | 3-6         | 3-6   | 9-12        |
| Physiological Lectures and Demonstrations ..    | 12          | ..... | 12          | .....       | * 10  | .....       |
| Second Year.                                    |             |       |             |             |       |             |
| Histology .....                                 | .....       | ..... | .....       | .....       | 2     | .....       |
| Embryology .....                                | .....       | 9     | .....       | .....       | ..... | .....       |
| Physiology .....                                | .....       | 10    | 11          | 11          | 12    | .....       |
| Physiological Demonstrations .....              | .....       | ..... | .....       | .....       | ..... | 9-1         |
| Anatomy .....                                   | 11          | 11    | 12          | .....       | 11    | .....       |
| Practical Histology and Practical Physiology .. | 9-11        | ..... | 9-11        | 9-11        | 9-11  | .....       |
| Chemistry .....                                 | .....       | 12    | .....       | 12          | ..... | .....       |
| Practical Chemistry .....                       | 1-4         | ..... | .....       | .....       | ..... | .....       |
| Materia Medica .....                            | .....       | ..... | 2           | 2           | ..... | .....       |
| Practical Anatomy .....                         | 3-6         | 1-6   | 1-6         | 3-6         | 3-6   | 10-12       |
| Third Year.                                     |             |       |             |             |       |             |
| Surgery .....                                   | 8.30        | ..... | 8.30        | .....       | 8.30  | .....       |
| Medicine .....                                  | 9.30        | ..... | 9.30        | .....       | 9.30  | .....       |
| Obstetrics .....                                | .....       | 9.30  | .....       | 9.30        | 9.30  | 9.30        |
| Pathology .....                                 | 10.30-11.30 | ..... | 11.30-12.30 | .....       | 11.30 | .....       |
| Therapeutics .....                              | .....       | 8.30  | .....       | 8.30        | ..... | .....       |
| Pathological Demonstrations .....               | 11.30-12.30 | ..... | 10.30-11.30 | 10.30-12.30 | ..... | 10.30-12.30 |
| Medical Jurisprudence .....                     | .....       | 10.30 | .....       | .....       | 10.30 | .....       |
| Minor Surgery .....                             | .....       | 9.30  | .....       | .....       | 9.30  | .....       |
| Disease in Children .....                       | .....       | 11.30 | .....       | .....       | ..... | .....       |
| Practical Bacteriology .....                    | 4.30        | 4.30  | 4.30        | 4.30        | 4.30  | .....       |

{ Mon. and Fri. lecture during Easter Term only.

Mich. Term.

Easter Term.

{ Tues. lecture in Mich. Term only.  
Fri. lecture in Easter Term only.

{ Sat. hours in Mich. Term only.

{ Tues. lecture during Easter Term only.  
Fri. lecture during Mich Term only.



**Fourth Year.**

|  | MON.        | TUE.  | WED.  | THU.        | FRI.  | SAT.       |
|--|-------------|-------|-------|-------------|-------|------------|
| Surgery .....                                      | 8.30        | ..... | 8.30  | .....       | ..... | .....      |
| Medicine .....                                     | 9.30        | ..... | 9.30  | .....       | ..... | .....      |
| Gynæcology .....                                   | .....       | 9.30  | ..... | 9.30        | ..... | .....      |
| Clinical Gynæcology (Special Class) .....          | .....       | ..... | 4.30  | .....       | ..... | 10.30      |
| Hygiene .....                                      | .....       | ..... | 10.30 | .....       | ..... | .....      |
| Topographical Anatomy .....                        | .....       | 8.30  | ..... | 8.30        | ..... | .....      |
| Pathology .....                                    | 10.30-12.30 | ..... | ..... | .....       | 11.30 | .....      |
| Pathological Demonstrations .....                  | .....       | ..... | ..... | 11.30-12.30 | ..... | 8.30-10.30 |
| Obstetrics .....                                   | .....       | ..... | 11.30 | .....       | 9.30  | .....      |
| Toxicology .....                                   | .....       | ..... | ..... | .....       | 10.30 | .....      |
| Ophthalmology and Otology .....                    | .....       | ..... | ..... | .....       | 8.30  | .....      |
| Laryngology .....                                  | .....       | ..... | ..... | .....       | 8.30  | .....      |
| Disease in Children .....                          | .....       | 11.30 | ..... | .....       | ..... | .....      |
| Demonstrations in Obstetrics (Special Class) ..... | 4.30        | ..... | ..... | .....       | ..... | 10.30      |

Easter Term only.  
Mich. Term only.

**Toronto General Hospital.**

|  |        |        |        |        |        |        |
|--|--------|--------|--------|--------|--------|--------|
| Outdoor Clinics (Third Year) .....         | 1.30   | 1.30   | 1.30   | 1.30   | 1.30   | 1.30   |
| Clinical Laboratory .....                  | 1-2.30 | 1-2.30 | 1-2.30 | 1-2.30 | 1-2.30 | 1-2.30 |
| Gynæcological Clinic .....                 | 2.30   | .....  | .....  | 2.30   | .....  | .....  |
| Ward Clinics (Third and Fourth Year) ..... | 3      | 3      | 3      | 3      | 3      | .....  |
| Medical Clinic in Theatre .....            | .....  | 10.30  | .....  | .....  | .....  | .....  |
| Surgical Clinic in Theatre .....           | .....  | .....  | .....  | 10.30  | .....  | .....  |
| Surgical Clinics and Operations .....      | .....  | 2      | .....  | .....  | 2      | .....  |
| Eye and Ear Clinic .....                   | .....  | 3      | 3      | .....  | 3      | 3      |
| Throat and Nose Clinic .....               | .....  | 3      | .....  | .....  | 3      | .....  |
| Skin Clinic .....                          | 2      | .....  | .....  | .....  | .....  | .....  |

**St. Michael's Hospital.**

|                                   |   |   |   |   |   |       |
|-----------------------------------|---|---|---|---|---|-------|
| Ward Clinics and Operations ..... | 3 | 3 | 3 | 3 | 3 | ..... |
|-----------------------------------|---|---|---|---|---|-------|

**Hospital for Sick Children.**

|                      |      |      |      |      |      |      |
|----------------------|------|------|------|------|------|------|
| Clinics .....        | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 |
| Outdoor Clinic ..... | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 |

### **The University of Toronto Medical Society.**

This Society consists of the graduates and undergraduates enrolled in the Faculty of Medicine of the University of Toronto. It is under the patronage of the members of the Medical Faculty and its object is to deal with all matters pertaining to the general interest and welfare of the students, especially:—

(a) To encourage interest in general medical science and literature, and in the pursuit of medical studies.

(b) To provide a supply of periodicals and magazines for the reading rooms.

(c) To be a means of communication between the Student body and the Faculty or any other body, when such communication is desirable.

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### **University of Toronto Medical Students' Young Men's Christian Association.**

The association is divided into two sections; one for the Primary years, which meets in the building of the University Young Men's Christian Association; the other for the Final years, meets in the building of the Medical Faculty in Gerrard Street East.

The meetings are held weekly. The clergy and other prominent residents of the city frequently take part in the proceedings.

The objects of the association are to form a bond of union between medical students whose principles and aim in life are "Christian," and to render whatever practical assistance is possible to all medical students, especially those who are entering upon their medical studies. The Reception Committee of the association will be at the Union Station to meet and welcome all incoming students and to give any information and assistance that may be required. A list of suitable boarding houses will be available for the convenience of those who require it,

## REGULATIONS RELATING TO THE EXAMINATIONS AND GRANTING OF DEGREES IN MEDICINE.

### Degree of M. B.

The Degree of M.B. is given to candidates who have matriculated and who have attended during four sessions of at least eight months each the course of instruction as required by this curriculum, and who have passed four examinations taken in the following order: the First at the end of the first session; the Second, at the end of the second session; the Third, at the end of the third session; and the Final, at the end of the fourth session.

### Entrance.

Candidates for a degree must pass the Matriculation examination, unless (1) they possess a degree in Arts not being an Honorary Degree, from any Dominion or British University; or (2) have already matriculated in the Faculty of Arts or in the Faculty of Law in this University; or (3) have been registered as Matriculates in the College of Physicians and Surgeons of Ontario.

Before presenting themselves for examination, candidates must produce satisfactory certificates of good conduct, and of having completed the sixteenth year of their age.

The ordinary Annual Matriculation examinations (both Pass and Honour) will commence in the beginning of July.

Supplemental examinations for Matriculation will be held in the latter part of September, at which those who were rejected at the July examinations, as well as new candidates, may offer themselves; but no honours or scholarships will be awarded at such Supplemental examinations.

The fee for the Junior Matriculation examination is five dollars, that is, two dollars for Part I., and five dollars for Part II., when taken separately, or five dollars for both parts taken at the same time, and must be paid when the application for the examination is made, according to the regulations issued by the Education Department, under whose superintendence this examination is now conducted. The fee for registration of exemption from the Matriculation examination is five dollars.

Candidates may delay Matriculation until any time before the Second examination for the degree of M.B.; but no candidate will be allowed to compete for relative standing, prizes or scholarships, until he has passed the Matriculation examination.

No fee will be charged for transferring from the Faculty of Arts to that of Medicine.

For subjects of examination at Junior Matriculation, Pass and Honour, see page 101.

### Regulations Relating to Undergraduates.

Undergraduates are required to attend lectures, and receive practical instruction during each of four years, at any of the schools of Medicine recognized for this purpose by the University.

The Senate may accept certificates of attendance at the lectures and in the laboratories of affiliated institutions other than Medical Schools.

They are required to present certificates of attendance on the various courses of lectures and practical instruction required for each examination.

The annual examinations are styled the First, Second, Third and Final examinations, and are to be passed at the end of the First, Second, Third and Fourth academic years respectively.

Undergraduates below the standing of the Fourth year, who have been rejected or who have been prevented from attending the annual examinations, by sickness, domestic affliction, or other causes beyond their control, may present themselves for examination at the Supplemental examinations in September. Candidates at any examination who have passed in the majority of the subjects required may present themselves at the Supplemental examinations next ensuing, in the subjects in which they failed, and upon passing at such examinations, shall be allowed their year. Undergraduates of the Fourth year who have failed in not more than three subjects may present themselves for examination in the said subjects at the Supplemental examinations in September. Candidates who failed to attend at the annual examinations, must prove to the satisfaction of the Senate before presenting themselves in September, the existence and sufficiency of the alleged cause of absence. Candidates who were rejected must pay a fee of ten dollars, and those who did not attend a fee also of ten dollars, before offering themselves for the Supplemental examination.

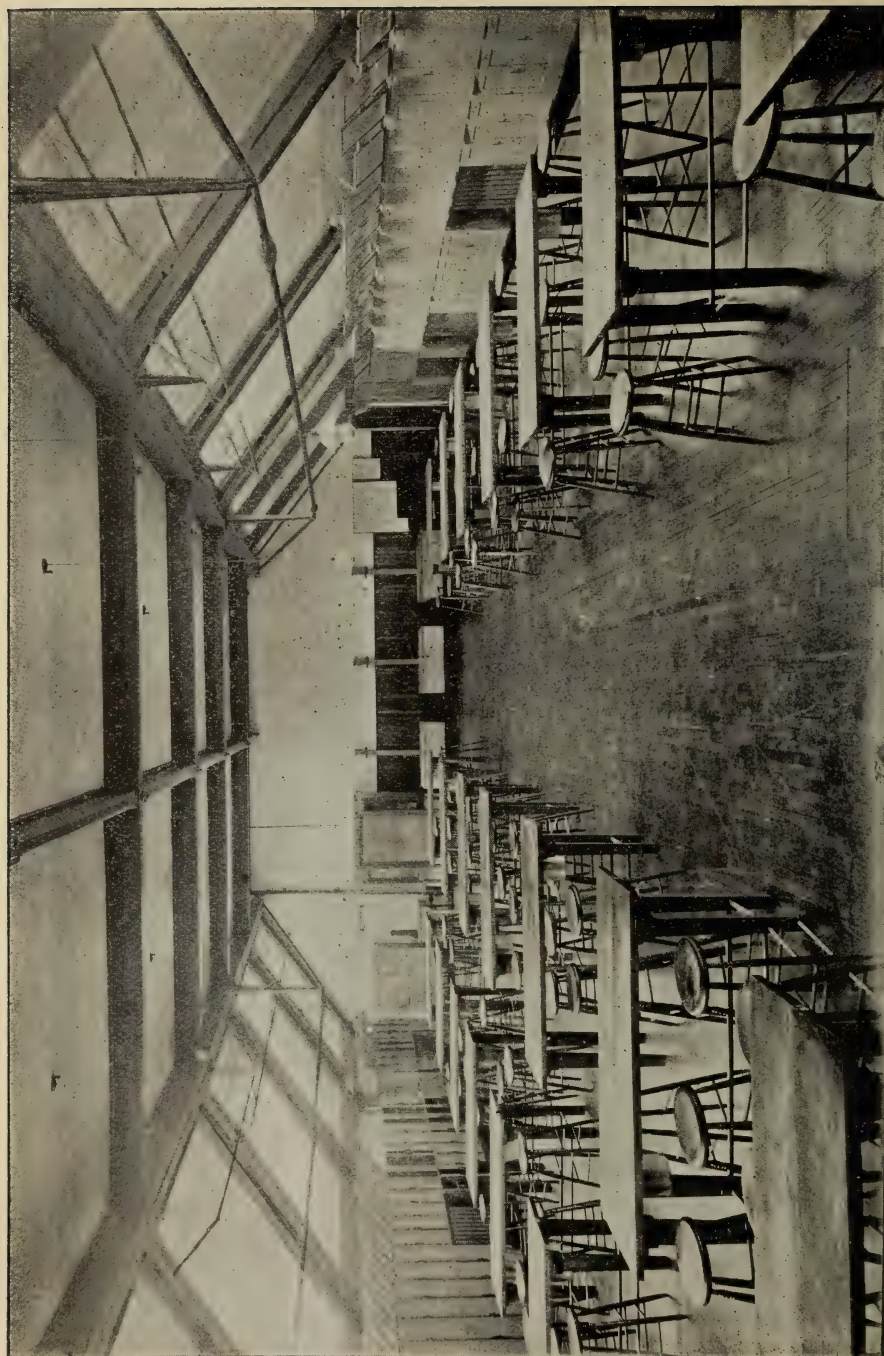
Graduates of this University in the Honour Department of Biological and Physical Science may enter at the beginning of the Third year and may postpone the examination in *Materia Medica* and *Elementary Therapeutics* until the third examination.

Graduates in Arts of the University may enter at the Second examination, but will be required to take such subjects of the First examination as they have not taken in their Arts course, though in these subjects they shall not be required to take an Honour standing. In the case of Undergraduates in Natural Sciences, certificates of attendance on the second course of Practical Anatomy and on the second course of fifty lecturers on Anatomy, may be presented with the certificates of attendance





THE DISSECTING ROOM—Eastern Half.



THE DISSECTING ROOM—Western Hall.



on the lectures of the Third year. (For list of equivalent examinations, see page 69.)

The fee for each examination is ten dollars, payable when the candidate notifies the Registrar of his intention to present himself.

Notice will be given annually, in January, of the days on which the examinations for the year will commence. Every undergraduate who proposes to present himself at an examination must send to the Registrar a statement (according to a printed form which will be furnished) of the course he is taking, whether he intends to compete for Honours, and such other particulars as the printed form may indicate, together with the original certificates referred to in this statement. The work of the students in the Hospital wards and Laboratories throughout the year will be considered in determining standing at the various University examinations.

Certificates are required for the different examinations as follows:

First examination—

Of having attended:

In Anatomy, a course of at least 50 lectures.

In Physiology, a course of at least 50 lectures and demonstrations.

In Inorganic Chemistry, a course of at least 50 lectures.

In Physics, a course of at least 25 lectures and demonstrations.

In Biology, a course of at least 40 lectures.

In Practical Chemistry, a course of at least 50 hours.

In Practical Biology, a course of at least 50 hours.

In Practical Anatomy, a course of instruction during six months.

Second examination—

Of having attended:

In Anatomy, a second course of at least 50 lectures.

In Physiology, a second course of at least 50 lectures and 50 demonstrations.

In Organic Chemistry, a course of at least 50 lectures.

In Materia Medica and Elementary Therapeutics, a course of at least 50 lectures.

In Embryology and Histology, a course of laboratory instruction of at least 50 hours.

In Practical Chemistry, a second course of laboratory instruction of at least 50 hours.

In Practical Anatomy, a second course of instruction during six months.

In Practical Pharmacy, a course of instruction during three months.

The results of the laboratory work in Physiology in the Second Year are taken into consideration in making up the standing of all students in that subject in the Class List. For those students who obtain their instruction in Physiology elsewhere, a practical examination in Physiology is held during the annual examination.

## Third examination—

Of having attended:

In Medicine, a course of at least 50 lectures.

In Clinical Medicine, a course of at least 50 lectures.

In Surgery, a course of at least 50 lectures.

In Clinical Surgery, a course of at least 50 lectures.

In Pathology, a course of at least 50 lectures.

In Practical Pathology, a course of instruction of at least 50 hours.

In Physiological Obstetrics, a course of at least 50 lectures.

In Medical Jurisprudence and Toxicology, a course of at least 50 lectures.

In Materia Medica and Therapeutics, a course of at least 50 lectures.

## Final examination—

1. Of having attended:

In Medicine, a course of at least 50 lectures.

In Clinical Medicine, a course of at least 50 lectures.

In Surgery, a course of at least 50 lectures.

In Clinical Surgery, a course of at least 50 lectures.

In Pathology, a course of at least 50 lectures.

In Practical Pathology, a course of instruction of at least 50 hours.

In Obstetrics, pathological, a course of at least 30 lectures.

In Gynæcology, a course of at least 50 lectures.

In Topographical Anatomy, a course of instruction of at least 50 hours.

In Hygiene, a course of at least 25 lectures.

In Medical Psychology, a course of at least 12 lectures.

In Ophthalmology, Otology, Laryngology and Rhinology a course of 25 didactic lectures and 25 clinics.

2. Of having conducted at least six labours.

3. Of proficiency in vaccination.

4. Of attendance for eighteen months in the wards of a public hospital having not less than 100 beds.

5. Of attendance for twelve months on the out-practice of a hospital, or dispensary, or with a registered practitioner.

6. Of having attended twelve autopsies.

(NOTE—In respect to 2 and 3, certificates will be received from any registered practitioner.)

## Fifth Year examination—

Of having attended a course in each of the following subjects:

Surgery and Clinical Surgery, including operations on the cadaver.

Medicine and Clinical Medicine, including Neurology and Dermatology.

Clinical Gynæcology.

Operative Obstetrics.

Ophthalmology, Otology, Laryngology and Rhinology.



Pathology.  
 Applied Anatomy.  
 History of Medicine.  
 Electro Therapeutics.  
 Life Assurance.  
 Vaccination.

## Subjects of the Different Examinations.

### FIRST EXAMINATION.

1. Physics.
2. Chemistry (Inorganic).
3. Biology.

### SECOND EXAMINATION.

1. Anatomy.
2. Physiology.
3. Embryology and Histology.
4. Materia Medica and Elementary Therapeutics.
5. Chemistry (Organic and Physiological).

### THIRD EXAMINATION.

1. Clinical Medicine.
2. Clinical Surgery.
3. Physiological Obstetrics.
4. Pathology.

The results of this examination will be considered in determining standing at the Final examination.

### FINAL EXAMINATION.

1. Medicine and Clinical Medicine.
2. Surgery and Clinical Surgery.
3. Obstetrics.
4. Pathology.
5. Therapeutics.
6. Gynæcology.
7. Medical Jurisprudence and Toxicology.
8. Hygiene.
9. Medical Psychology.
10. Topographical Anatomy.
11. Ophthalmology, Otology, Laryngology and Rhinology.

### FIFTH YEAR EXAMINATION.

1. Surgery and Clinical Surgery, including operations on the cadaver.
2. Medicine and Clinical Medicine including Neurology and Dermatology.
3. Clinical Gynæcology.
4. Operative Obstetrics.

5. Ophthalmology, Otology, Laryngology and Rhinology.
  6. Pathology.
  7. Applied Anatomy.
  8. History of Medicine.
  9. Electro-Therapeutics.
  10. Life Assurance.
  11. Vaccination.
- 

### Examinations for Honours.

Candidates taking seventy-five per cent. of the aggregate number of marks in the Pass and Honour papers of the First or Second examination, or of one or more of the groups of subjects in the Final examination will be placed in the Honour list.

Additional papers on all Pass subjects of an examination may be set for the Honour candidates.

The subjects of the Final examination are grouped for Honours as follows:

Group I. 1. Medicine and Clinical Medicine.

2. Pathology.

3. Therapeutics.

Group II. 1. Surgery and Clinical Surgery.

2. Pathology

3. Topographical Anatomy.

Group III. 1. Obstetrics.

2. Gynaecology.

3. Pathology.

Group IV. 1. Medical Jurisprudence and Toxicology.

2. Hygiene.

3. Medical Psychology.

Only those candidates will receive their Degree with Honours who have obtained Honours in the First, Second and Final examinations.

## Equivalent Examinations.

Courses of lectures and examinations in the Faculty of Arts are accepted in the place of courses of lectures and examinations in the Faculty of Medicine, according to the following scheme:—

### FACULTY OF ARTS.

### FACULTY OF MEDICINE.

- |  |                   |  |
|--|-------------------|--|
| 1. Honour course and examination in Second Year Biology.   | } equivalent to { | course and examination in First Year Biology, and course in First Year Physiology.                       |
| 2. Honour course and examination in Second Year Chemistry, and Physics of the Honour course in Natural Sciences.   |                   | course and examination in First Year Inorganic Chemistry and Physics.                                    |
| 3. Honour course and examination in Third Year Chemistry.  | } equivalent to { | course and examination in Second Year Chemistry (with the exception of Chemistry applied to Physiology). |
| 4. Honour course and examination in Fourth Year Biology.   |                   | course and examination in Second Year Physiology and Embryology and Histology.                           |
| 5. Attendance at the Honour course and examination in the Fourth Year Physiological Chemistry, in the Faculty of Arts, is equivalent to attendance at the course and examination in Chemistry applied to Physiology of the Second Year in the Faculty of Medicine. |                   |  |

N.B.—Candidates who desire to compete for scholarships and medals are required to submit to the annual examinations in all the subjects of each examination, though otherwise entitled to partial exemption according to the preceding scheme; and candidates not competing for scholarships or medals, who are entitled to exemption according to the preceding scheme, will hold the same rank in Honours in these subjects as they obtained in the equivalent examinations in Arts.

Students of the Fourth Year Natural Science course in Arts, who propose to offer themselves for the Second examination in Medicine, may defer the examination in Materia Medica to the Final examination.

### Degree of M.D.

Bachelors of Medicine of at least one year's standing, may obtain the degree of M.D. on the fulfilment of either of the following conditions:—

1. Having presented an approved thesis embodying the results of an original research conducted by the candidate in any department of medicine; or

2. Having passed an examination in each of the following subjects:— Surgery and Clinical Surgery, including operations on the cadaver; Medicine and Clinical Medicine, including Neurology and Dermatology; Clinical Gynæcology; Operative Obstetrics; Ophthalmology, Otology, Laryngology and Rhinology; Pathology; Applied Anatomy; History of Medicine; Electro Therapeutics; Life Assurance; and Vaccination.

### Admission *ad Eundem Statum*.

Undergraduates of other Universities applying for admission *ad eundem statum* must present certificates of having passed the examinations in the various subjects of this curriculum preliminary to the examination for which they desire to present themselves.

### Admission *ad Eundem Gradum*.

A graduate of any of the Universities in Great Britain or Ireland, if his degree be not an honorary one, may be admitted to the like degree in the University of Toronto. He must send in his certificate to the Registrar at least two weeks before the first meeting of the session of the Senate at which his application is to be brought forward.

### Fees for Degrees.

|   |         |
|---|---------|
| For the degree of M.B.....                  | \$20 00 |
| For the degree of M.D.....                  | 20 00   |
| For admission <i>ad eundem gradum</i> ..... | 20 00   |

The fee for the Bachelor's Degree must be paid to the Bursar not later than April 15th.

### The George Brown Memorial Scholarship in Medical Science.

Dr. A. H. F. Barbour, of Edinburgh, having placed a sum of money at the disposal of the University of Toronto, for the purpose of founding a Scholarship in Medical Science in memory of the late Hon. George Brown, the following regulations have been adopted with regard thereto:

This scholarship shall be called the George Brown Memorial Scholarship in Medical Science and shall be awarded annually at the convocation for conferring degrees in medicine to the Bachelor of Medicine who



shall have distinguished himself most during his Undergraduate course in the subjects of Anatomy, Biology, Physiology and Pathology.

The comparative value of the several subjects is to be estimated according to the following schedule:—

|                               |             |
|-------------------------------|-------------|
| 1st year—Biology .....        | 200         |
| 2nd year—Anatomy .....        | 300         |
| Physiology .....              | 300         |
| Embryology and Histology..... | 100         |
| 4th year—Pathology .....      | 300         |
| <b>Total .....</b>            | <b>1200</b> |

The award shall be made by a committee composed of the Professors in these subjects, and of the Examiners for the time being therein, who shall report as to the successful candidates, after having given due attention to the results of the annual examinations, and to the character of the work done by the candidates in the University laboratories.

The holder of the scholarship during the year of tenure is required to engage in original research in any one of the laboratories of the University, on some subject bearing on the advancement of medical science—the laboratory providing the material for the investigation.

The scholarship is to be paid in two portions, two-thirds at the time of award and one-third six months later, on the holder giving a satisfactory report (to whomsoever the University may appoint) of the work he has already done.

A report of the research, when completed, is to be given to the University.

The value of the scholarship consists in the proceeds of one thousand pounds sterling, invested at the rate of interest secured by the University for such benefactions.

The scholarship is tenable for one year.

## The Reeve Scholarship in Medical Science.

Dr. R. A. Reeve has donated a sum of money to the University of Toronto for the purpose of providing a Scholarship of the value of \$250, to be awarded annually for four years. The Scholarship is designed to foster the spirit of original research and to promote the utilizing of the laboratories of the University for that purpose.

The conditions on which the Scholarship will be awarded are as follows:—

The Scholarship will be awarded to the candidate who shall have gained the highest standing at the Final Examination in Medicine in the University of Toronto in the following subjects:—

- Medicine and Clinical Medicine.
- Surgery and Clinical Surgery.
- Obstetrics.
- Pathology.

The candidate shall agree to devote himself during the next ensuing year, under the direction of the Medical Faculty, to research work in the Physiological or Pathological Laboratory of the University, and also to act as Laboratory Assistant.

A report of the research, when completed, is to be given to the University, whose property it shall become; and it shall be published at the discretion of the University Council.

The Scholarship is to be paid in two portions, one-half on October 1st and one-half on February 1st. A report of the work accomplished by the scholar must be furnished before the final payment. This report will be presented to the Faculty, and must be approved as representing satisfactory work done up to date before the final payment is made.

The winner of the George Brown Memorial Scholarship shall not be eligible.

The subjects shall be valued as follows:—

|                         | Marks. |
|-------------------------|--------|
| Medicine .....          | 200    |
| Clinical Medicine ..... | 200    |
| Surgery .....           | 200    |
| Clinical Surgery .....  | 200    |
| Obstetrics .....        | 200    |
| Pathology .....         | 200    |
| <hr/>                   |        |
| Total .....             | 1200   |

### The Starr Medals.

The late Richard Noble Starr, M.D., devised certain property for the encouragement of post-graduate study in Anatomy, Physiology and Pathology, and in fulfilment of this object one gold and two silver medals, called the "Starr Medals," are awarded annually to three candidates for the degree of M.D., who have shown by the theses which they have presented for that degree, that they have successfully pursued such study in any one of these subjects. The theses for which these medals are given must attain a standard approved of by the Board of Examiners, and the relative value of the theses will determine the rank of the candidates for the medals.

# MEDALLISTS.

## Medicine.

*g, gold medal; s, silver medal.*

| YR. |                               | YR. |                               | YR.  |                               |
|-----|-------------------------------|-----|-------------------------------|------|-------------------------------|
| 58  | Oille, L. S., <i>g.</i>       |     | Brown, O. C., <i>s.</i>       | 92   | Bruce, H. A., <i>g.</i>       |
|     | Aikins, M. H., <i>s.</i>      |     | Farwell, A., <i>s.</i>        |      | Middlebro, T. H., <i>s.</i>   |
|     | Millar, T., <i>s.</i>         |     | Cameron, I. H., <i>s.</i>     |      | Gowland, R. H., <i>s.</i>     |
| 59  | Barnhart, C. E., <i>g.</i>    |     | Shaw, G., <i>s.</i>           |      | Brown, J. N. E., <i>s.</i>    |
|     | King, J., <i>s.</i>           |     | Fraser, D., <i>s.</i>         | 93   | Harvie, J. N., <i>g.</i>      |
|     | Francis, W. F., <i>s.</i>     | 75  | Britton, W., <i>g.</i>        |      | South, T. E., <i>s.</i>       |
| 60  | Bascom, J., <i>g.</i>         |     | White, J., <i>s.</i>          |      | Elliott, W., <i>s.</i>        |
|     | Playter, E., <i>s.</i>        |     | Bennett, J. H., <i>s.</i>     |      | Futcher, T. B., <i>Æ, s.</i>  |
|     | Tisdell, F. B., <i>s.</i>     |     | Eakins, J. E., <i>s.</i>      |      | Harvey, E. E., <i>Æ, s.</i>   |
|     | Morton, E. D., <i>s.</i>      | 76  | McPhedran, A., <i>g.</i>      | 94   | McCollum, W. J., <i>g.</i>    |
|     | Ogden, W. W., <i>s.</i>       |     | Lackner, H. G., <i>s.</i>     |      | Rutledge, H. N., <i>s.</i>    |
|     | Martyn, D. H., <i>s.</i>      |     | Bowerman, A. C., <i>s.</i>    |      | Crain, W. E., <i>s.</i>       |
| 61  | Hudson, <i>g.</i>             |     | Wilson, W. J., <i>s.</i>      |      | Johnston, H. A., <i>s.</i>    |
|     | Elliott, J. D., <i>s.</i>     | 77  | Stuart, W. T., <i>g.</i>      | 95   | Merritt, A. K., <i>g.</i>     |
| 62  | Dolster, J., <i>g.</i>        |     | Orr, R. B., <i>s.</i>         |      | McKay, T. W. G.               |
|     | DeGrassi, G. P., <i>g.</i>    |     | Richards, N. D., <i>s.</i>    |      | McCrae, T., <i>s.</i>         |
| 63  | Ramsay, W. F., <i>g.</i>      | 78  | Griffin, H. S., <i>g.</i>     |      | Hunter, A. J., <i>s.</i>      |
| 64  | McLaughlin, J. W., <i>g.</i>  |     | Meek, H., <i>s.</i>           | 96   | McCaig, A. S., <i>g.</i>      |
| 65  | Burnham, E. L., <i>g.</i>     |     | Bonnar, J. D., <i>s.</i>      |      | Roberts, E. L., <i>g.</i>     |
|     | McCarthy, J. L. G., <i>s.</i> |     | Kennedy, G. A., <i>s.</i>     |      | Grac, C., <i>s.</i>           |
|     | Kitchen, E. E., <i>s.</i>     |     | Gardiner, J. H., <i>s.</i>    |      | Goldie, W., <i>s.</i>         |
| 66  | Mickle, W. J., <i>g.</i>      | 79  | Burt, F., <i>g.</i>           |      | Macklin, A. H., <i>s.</i>     |
|     | McCullough, J., <i>s.</i>     |     | Mills, R. P., <i>s.</i>       | 97   | Elliott, J. H., <i>g.</i>     |
|     | Wadsworth, J. J., <i>s.</i>   |     | Chappell, W. F., <i>s.</i>    |      | Hume, J. J. C., <i>s.</i>     |
| 67  | Sparks, T., <i>s.</i>         | 80  | Cross, W. J., <i>g.</i>       |      | Nichol, R., <i>s.</i>         |
|     | Palmer, R. N., <i>s.</i>      |     | Bryce, P. H., <i>s.</i>       |      | Yeomans, W. L., <i>s.</i>     |
|     | Harbottle, R., <i>s.</i>      |     | Ferguson, J., <i>s.</i>       | 98   | McCrae, J., <i>g.</i>         |
|     | Eccles, F. R., <i>s.</i>      | 81  | Duncan, J. H., <i>g.</i>      |      | Sutherland, G. A., <i>s.</i>  |
|     | McFarlane, N., <i>s.</i>      | 82  | Wallace, R. R., <i>g.</i>     |      | White, W. C., <i>s.</i>       |
|     | Newton, J. H., <i>s.</i>      |     | Duncan, J. T., <i>s.</i>      |      | Cahoon, F., <i>s.</i>         |
| 68  | Brown, J. P., <i>g.</i>       | 83  | Robinson, W. J., <i>g.</i>    | 99   | Wells, W., <i>g.</i>          |
|     | Hunt, R. H., <i>s.</i>        |     | Dolsen, F. J., <i>g.</i>      |      | Hargrave, H. G., <i>s.</i>    |
|     | Howe, T. C., <i>s.</i>        | 84  | Clerke, J. W., <i>g.</i>      |      | Piersol, W. H., <i>s.</i>     |
| 69  | Graham, J. E., <i>g.</i>      | 85  | Howell, J. H., <i>g.</i>      |      | Gow, J., <i>s.</i>            |
|     | Humble, C., <i>s.</i>         |     | Carr, L., <i>s.</i>           | 1900 | P. L. Scott, <i>Æ, g.</i>     |
|     | McCollum, J. H., <i>s.</i>    | 85  | Saunders, M. R., <i>s.</i>    |      | C. C. Bell, <i>Æ, s.</i>      |
|     | Bentley, T. B., <i>s.</i>     |     | Hoop, H. N., <i>s.</i>        |      | G. W. Howland, <i>Æ, s.</i>   |
| 70  | Greenless, A., <i>s.</i>      | 86  | Peters, G. A., <i>g.</i>      |      | D. G. Revell, <i>Æ, s.</i>    |
|     | Burgess, T. J. W., <i>s.</i>  |     | Noecker, C. T., <i>g.</i>     |      | E. D. Carder, <i>s.</i>       |
|     | Smith, C. M., <i>s.</i>       |     | Johnston, D. R., <i>s.</i>    | 1901 | Clarkson, F. A., <i>g.</i>    |
|     | Standish, J., <i>s.</i>       | 87  | Ego, A., <i>g.</i>            |      | McIlwraith, D. G., <i>s.</i>  |
|     | Wagner, W. J., <i>s.</i>      | 88  | Féré, G. A., <i>g.</i>        |      | Cleland, F. A., <i>s.</i>     |
|     | Burt, W., <i>s.</i>           |     | Galloway, J., <i>s.</i>       |      | Carswell, W. A., <i>Æ, s.</i> |
| 70  | Williams, A. D., <i>s.</i>    | 89  | Chambers, G., <i>g.</i>       |      | Cohoe, B. A., <i>Æ, s.</i>    |
| 71  | Forrest, W., <i>g.</i>        |     | Collins, J. H., <i>s.</i>     | 1902 | Roaf, H. E., <i>Æ, g.</i>     |
|     | Moore, C. Y., <i>s.</i>       |     | Godfrey, F. E., <i>s.</i>     |      | Saunders, P. W., <i>g.</i>    |
|     | Henning, N. P., <i>s.</i>     | 90  | Barker, L. F., <i>g.</i>      |      | Fletcher, G. W., <i>s.</i>    |
|     | Delamater, R. H., <i>s.</i>   |     | Cullen, T. S., <i>s.</i>      |      | Moir, A., <i>s.</i>           |
| 72  | Zimmerman, R., <i>g.</i>      |     | Philp, W. H., <i>s.</i>       |      | Archer, A. E., <i>s.</i>      |
|     | Crozier, J. B., <i>s.</i>     |     | McFarlane, M. T., <i>s.</i>   | 1903 | Oille, J. A., <i>g.</i>       |
| 73  | Close, J. A., <i>g.</i>       |     | McGillivray, C. F., <i>s.</i> |      | Phillips, J., <i>s.</i>       |
|     | Beeman, M. I., <i>s.</i>      | 91  | Barnhart, W. N., <i>g.</i>    |      | Yin, S. C., <i>s.</i>         |
|     | Wright, A. H., <i>s.</i>      |     | Bollen, P., <i>s.</i>         |      | Wilson, G. E., <i>s.</i>      |
|     | Hagel, S. D., <i>s.</i>       |     | Boyd, G., <i>s.</i>           |      |                               |
| 74  | Fraser, D. B., <i>g.</i>      |     | McGorman, G., <i>s.</i>       |      |                               |

## Starr Medallists.

|    |                              |    |                            |    |                             |
|----|------------------------------|----|----------------------------|----|-----------------------------|
| 67 | Palmer, R. N.                | 74 | Brown, O. C., <i>g.</i>    |    | Bryce, P. H., <i>g.</i>     |
| 68 | Hunt, R. H.                  |    | Farewell, A., <i>s.</i>    | 81 | Duncan, J. H., <i>g.</i>    |
|    | Brown, J. P.                 |    | Campbell, A. J., <i>s.</i> | 82 | Wallace, R. R., <i>g.</i>   |
|    | Cassidy, J. J.               | 75 | Britton, W., <i>g.</i>     | 83 | Robinson, W. J., <i>g.</i>  |
| 69 | Graham, J. E.                |    | White, J., <i>s.</i>       | 86 | Peters, G. A., <i>g.</i>    |
| 70 | Burgess, T. J. W., <i>g.</i> |    | Bennett, J. H., <i>s.</i>  | 89 | Collins, J. H., <i>g.</i>   |
|    | Greenless, A., <i>s.</i>     | 76 | Lackner, H. G., <i>g.</i>  |    | Chambers, G., <i>s.</i>     |
|    | Wagner, W. J., <i>s.</i>     |    | McPhedran, A., <i>s.</i>   | 90 | Barker, L. F., <i>g.</i>    |
| 71 | Moore, C. Y., <i>g.</i>      |    | Bowerman, A. C., <i>s.</i> | 91 | Barnhardt, W. N., <i>g.</i> |
|    | Henning, N. P., <i>s.</i>    | 77 | Stuart, W. T., <i>g.</i>   | 92 | Middlebro, T. H., <i>g.</i> |
|    | Forrest, W., <i>s.</i>       | 78 | Bonnar, H. A., <i>g.</i>   |    | Bruce, H. A., <i>s.</i>     |
| 72 | Zimmerman, R., <i>g.</i>     |    | Meek, H., <i>s.</i>        | 96 | McKay, T. W. G., M.B.       |
|    | Crozier, J. B., <i>s.</i>    | 78 | Griffin, H. S., <i>s.</i>  |    | Rannie, J. A.               |
| 73 | Meldrum, N. W., <i>g.</i>    | 79 | Burt, F., <i>g.</i>        | 99 | Hill, H. W.                 |
|    | Close, J. A., <i>s.</i>      | 80 | Cross, W. J., <i>g.</i>    | 03 | McCrae, T.                  |
| 73 | Hagel, S. D., <i>s.</i>      |    |                            |    |                             |

## Winners of Faculty Medals and Scholarships for 1903.

### Medals.

|                                  |                 |       |
|----------------------------------|-----------------|-------|
| Faculty Gold Medal.....          | Roaf, H. E.     | } æg. |
|                                  | Saunders, P. W. |       |
| First Faculty Silver Medal.....  | Fletcher, G. W. |       |
| Second Faculty Silver Medal..... | Moir, A.        |       |
| Third Faculty Silver Medal.....  | Archer, A. E.   |       |

### Scholarships.

|                  |                  |
|------------------|------------------|
| First Year.....  | 1. Kinghorn, A.  |
|                  | 2. Walker, S. B. |
| Second Year..... | 1. Lemon, W. S.  |
|                  | 2. Clark, R. L.  |

### POST GRADUATE SCHOLARSHIPS.

#### THE REEVE SCHOLARSHIP IN MEDICAL SCIENCE.

##### A. Moir.

#### THE DANIEL CLARK PRIZE IN MEDICAL PSYCHOLOGY.

- |                    |                   |
|--------------------|-------------------|
| 1. Fletcher, G. W. | 2. Michell, W. R. |
|--------------------|-------------------|

#### THE GEORGE BROWN MEMORIAL SCHOLARSHIP IN MEDICAL SCIENCE.

For this Scholarship, Davey, J. E.; Fletcher, G. W.; Roaf, H. E.;  
Saunders, P. W.; Archer, A. E.; Moir, A., ranked in the order named.

## Students of the University Faculty who received the Degrees in Medicine at the Annual Examinations of 1903.

### *M.B.*

|                       |                     |                   |
|-----------------------|---------------------|-------------------|
| Anderson, P.          | Holmes, K. H.       | Park, J. M.       |
| Biggar, J. L.         | Hunt, J. G. W.      | Parry, J. R.      |
| Bond, A. T.           | Hunt, W. B. S.      | Phillips, J.      |
| Brewster, R. S.       | Ingram, R.          | Proctor, A. D.    |
| Brown, J. V.          | Jamieson, H. C.     | Quinlan, P. F.    |
| Buchanan, N. D.       | Johnston, D. C.     | Robb, J. M.       |
| Carson, T. A.         | Kappele, D. P.      | Ross, F. A.       |
| Colbeck, K.           | Kerfoot, W. J.      | Ross, G. W.       |
| Constantinides, C. L. | Kinster, C. E.      | Ross, V.          |
| Cullen, E. K.         | Lamb, G. F.         | Simpson, A. A. J. |
| DeHaitre, J. E. N.    | Langs, M. H.        | Sinclair, D. A.   |
| Edmison, T. B.        | Large, F.           | Singer, S.        |
| Ferguson, J.          | Leeson, J. D.       | Somers, W. E.     |
| Fisher, R. O.         | Mahood, W. R.       | Sutton, N. H.     |
| Fitzgerald, J. G.     | Meldrum, W. N.      | Sweeney, D. J.    |
| Foster, E. J.         | McColl, T. H.       | Torrington, H. M. |
| Foster, R. F.         | McCue, P. F.        | Turnbull, W. S.   |
| Frederick, E. V.      | McInnes, A.         | Walker, E. M.     |
| Freeman, C. W.        | Mackinnon, W. T. M. | Walker, T. W.     |
| Gallie, W. E.         | McLaughlin, R. P.   | Weir, B.          |
| Graham, W. A.         | McLean, H.          | White, T. D.      |
| Greenway, G. E.       | McLean, H. C.       | Wilson, G. E.     |
| Gray, E. A.           | Macleod, N. K.      | Winters, G. A.    |
| Groves, W. A.         | McTavish, W.        | Woolner, W. A. W. |
| Hamilton, J. H.       | Neal, F. C.         | Yin, S. C.        |
| Hodgins, F. L.        | Oille, J. A.        |                   |



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**FACULTY OF APPLIED SCIENCE  
AND ENGINEERING.**

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## The School of Practical Science.

The Legislative Assembly during the Session of 1877 gave its sanction to the establishment of a School of Practical Science on the basis proposed in the memorandum of the Minister of Education confirmed by the Lieutenant-Governor-in-Council on the 3rd day of February, 1877.

By the scheme thus approved of, the Government effected an arrangement with the Council of University College whereby the students of the School of Practical Science enjoyed full advantage of the instruction given by its professors and lecturers in all the departments of science which were embraced in the work of the School.

This arrangement was brought to an end in 1889 by the transfer of the departments in science above referred to from University College to the University of Toronto under the operation of the University Federation Act.

In order that the students of the School might continue to enjoy the advantage of instruction in the above departments, the Senate of the University of Toronto passed a Statute in October, 1889, affiliating the School to the University, which Statute was confirmed by the Lieutenant-Governor in Council on the 30th day of October, 1889.

By an Order in Council, approved by the Lieutenant-Governor on the 6th day of November, 1889, a Principal was appointed, and the management of the School was entrusted to a council composed of the Principal as chairman, and the Professors, Lecturers and Demonstrators, appointed on the Teaching Faculty of the School.

There are five regular Departments of Instruction, in each of which Diplomas are granted, viz.:—

1. Civil Engineering (including Sanitary Engineering).
2. Mining Engineering.
3. Mechanical and Electrical Engineering.
4. Architecture.
5. Analytical and Applied Chemistry.

The instruction given in each of these Departments is designed to give the student a thorough knowledge of the scientific principles underlying the practice in the several professions, and also such a training as may make him immediately useful when he commences active professional work.

### Diploma.

The regular course in each department is of three years' duration, and leads to the Diploma of the School. The instruction is given partly in the lecture room and partly in the drafting rooms, laboratories and field. A certain amount of work is laid out for the summer vacation. The course of study in each department is general, and beyond the selection of his department the student has no opportunity to specialize.

### Degree of B.A.Sc.

After the general course is finished the Diploma of the School is granted, and the student is at liberty either to enter the active life of his profession, or to spend another year in special work. This year is called the fourth or post-graduate year. Graduates electing to proceed with their studies are allowed to select two subjects from an approved list, and are required to confine their whole attention to these subjects during the fourth year. The subjects on this list are such as require a large amount of time to be devoted to laboratory and other practical work. The advanced theoretical instruction is given either at the beginning or end of the working day, in order not to break up the time allotted to practical work. During this year the student is required to prepare a thesis on some subject connected with his work. The practical examinations are held by the School, while the written examinations and the examination of the theses are held by the University. After complying with all requirements, the candidate receives from the University the degree of Bachelor of Applied Science (B.A. Sc.).

### Professional Degrees.

Bachelors of Applied Science may, after three years spent in professional work, present themselves for the degrees of

Civil Engineer (C.E.), Mining Engineer (M.E.), Mechanical Engineer (M.E.), or Electrical Engineer (E.E.), as the case may be, subject to the rules and regulations established by the University.

### Faculty of Applied Science and Engineering.

By a Statute of the Senate of the University of Toronto, passed on December 14th, 1900, the teaching staff and examiners of the School of Practical Science, together with the examiners for the degree of B.A. Sc. and professional degrees in Engineering, were constituted *ex officio* the Faculty of Applied Science and Engineering of the University of Toronto.

The Statute is as follows:—

By the Senate of the University of Toronto,  
*Be it enacted:*

1. That the Faculty of Applied Science and Engineering be hereby established.

2. That the courses and examinations of the School of Practical Science leading to the Diploma of the School and to the special certificates of the school, together with the courses and examinations leading to the degrees of Bachelor of Applied Science (B.A.Sc.), Civil Engineer (C.E.), Mining Engineer (M.E.), Mechanical Engineer (M.E.), and Electrical Engineer (E.E.), be the curriculum and examinations of the University in the said Faculty.

3. That the members of the teaching staff of the School of Practical Science be the members of the teaching staff of the University in the said Faculty.

4. That the examiners of the School of Practical Science, whether members of the teaching staff of the said school or otherwise, together with the examiners for the degrees named in clause 2, be the examiners of the University in the said Faculty.

5. That the regular students of the School of Practical Science in the first, second, third and fourth years respectively be the undergraduates of the University in the corresponding years in the said Faculty.



6. That the non-regular, occasional and special students of the School of Practical Science be the non-regular, occasional and special students of the University in the said Faculty.

7. That the provisions of this Statute apply, as far as may be, to all graduates of the School of Practical Science and to all graduates of the University in Applied Science and Engineering.

8. That no liability shall be incurred by the University of Toronto for the support or maintenance of the Faculty hereby established.

### The Faculty.

J. GALBRAITH, M.A., M. Can. Soc. C.E., *Professor of Engineering (Chairman), Principal.*

W. HODGSON ELLIS, M.A., M.B., *Professor of Applied Chemistry.*

A. P. COLEMAN, M.A., PH.D., *Professor of Geology.*

L. B. STEWART, O.L.S., D.T.S., *Professor of Surveying and Geodesy*

C. H. C. WRIGHT, B.A.Sc., Mem. O.A.A., *Professor of Architecture.*

T. R. ROSEBRUGH, M.A., *Professor of Electrical Engineering.*

J. MCGOWAN, B.A., B.A.Sc., *Lecturer in Applied Mechanics.*

G. R. MICKLE, B.A., *Lecturer in Mining.*

R. W. ANGUS, B.A.Sc., *Lecturer in Mechanical Engineering.*

A. T. LAING, B.A.Sc., *Registrar.*

J. W. BAIN, B.A.Sc., *Demonstrator in Analytical Chemistry.*

H. G. McVEAN, B.A.Sc., *Demonstrator in Mechanical Engineering.*

H. W. PRICE, B.A.Sc., *Demonstrator in Electrical Engineering.*

W. E. WAGNER, B.A.Sc., *Fellow in Mechanical Engineering.*

W. C. TENNANT, B.A.Sc., *Fellow in Civil Engineering.*

J. G. McMILLAN, B.A.Sc., *Fellow in Mining Engineering.*

E. G. R. ARDAGH, B.A.Sc., *Fellow in Chemistry.*

M. V. SAUER, B.A.Sc., *Fellow in Electrical Engineering.*

A. H. McBRIDE, Grad. S.P.S., *Fellow in Drawing.*

E. V. NEELANDS, B.A.Sc., *Fellow in Surveying.*

M. C. BOSWELL, B.A.Sc., *Lecture Assistant in Chemistry.*

Members of the Faculty of Arts whose Lectures are  
Attended by the Students of the School.

JAMES LOUDON, M.A., LL.D., *President and Professor of Physics.*

R. RAMSAY WRIGHT, M.A., B.Sc., *Professor of Biology.*

ALFRED BAKER, M.A., *Professor of Mathematics.*

W. R. LANG, D.Sc., *Professor of Chemistry.*

A. B. MACALLUM, B.A., M.B., PH.D., *Associate Professor of Physiology.*

W. L. MILLER, B.A., PH.D., *Associate Professor of Physical Chemistry.*

W. J. LOUDON, B.A., *Associate Professor in Physics.*

J. C. MCLENNAN, B.A., PH.D., *Associate Professor in Physics.*

C. A. CHANT, M.A., PH.D., *Lecturer in Physics.*

ALFRED T. DELURY, M.A., *Associate Professor in Mathematics.*

E. F. BURTON, B.A., *Fellow in Mathematics.*

G. R. ANDERSON, M.A., and J. S. PLASKETT, B.A., *Assistants in Physics.*

For the Calendar or other information, address the Registrar, A.T.  
LAING.

## CURRICULUM IN APPLIED SCIENCE.

### Degree of Bachelor of Applied Science.

Candidates who have fulfilled the requirements of the Fourth year in the School of Practical Science are eligible for the degree of Bachelor of Applied Science in the University of Toronto under the following conditions and regulations:—

1. Candidates for the said degree shall hold the diploma of the School of Practical Science in any one of the regular courses of the said school, or shall be of the standing of the Fourth year in the Honour department of Chemistry and Mineralogy in the University of Toronto.

2. They shall have fulfilled the conditions relating to the Fourth or post-graduate year in the School of Practical Science, and shall present certificates of having done so to the Registrar of the University. Honours may be granted with such certificates by the Faculty of the School.

3. Each candidate shall prepare a Thesis based on the results of his Fourth year work in the said School of Practical Science for the approval of the University examiners. This Thesis must be sent to the Registrar not later than the day preceding the first day of the annual examinations, and is to be accompanied by all necessary drawings, specifications, tables and estimates. To pass in it a candidate must obtain 50 per cent., and to take Honours 75 per cent., of the marks assigned.

4. Candidates will be required to select two sub-divisions in any one of the following groups, and to pass such written and oral examinations on the subjects selected as may be prescribed by the University examiners.

- A. { Astronomy.  
Geodesy and Metrology.
- B. { Architecture.  
Strength and Elasticity of Materials.  
Hydraulics.  
Thermodynamics and Theory of Heat Engines.  
Electricity and Magnetism.
- C. { Industrial Chemistry.  
Sanitary and Forensic Chemistry.  
Inorganic and Organic Chemistry.
- D. { Mineralogy and Geology.  
Metallurgy and Assaying.

The sub-division "Inorganic and Organic Chemistry" will be obligatory on all candidates who select group C.

To pass in each subject 33 per cent., and to take honours 66 per cent., of the marks assigned will be required.

5. The degree with honours will be conferred on candidates who obtain three out of the four honours possible.

Viz.—Certificate with honours.....(cl. 2.)

Thesis with honours .....(cl. 3.)

Honours in each subject of examination....(cl. 4.)

6. Candidates are required to send to the Registrar of the University at least three weeks before the commencement of the annual examination an application for examination according to a printed form to be obtained from the Registrar, and at the time of making such application a fee of ten dollars must be paid to the Bursar.

7. The annual examinations for the degree shall be held in April, and the supplemental examinations in September.

8. The fee for the degree shall be ten dollars, and shall be paid to the Bursar not later than the day preceding the first day of the annual examination.

9. The ordinary time for conferring the degree shall be at the University Commencement in June. The degree may be conferred at any meeting of the Senate.

10. The thesis, drawings and other papers accompanying them, shall be the property of the School of Practical Science.

11. In case any change be made in the conditions referred to in the second clause, such change shall be submitted to the Senate, and shall have no force so far as the said clause is concerned, unless approved by resolution of the Senate.

## Degrees in Engineering.

By a Statute of the University of Toronto, passed in 1896, graduates of the School of Practical Science may be admitted to degrees in Engineering upon the following terms:—

I. That all previous Statutes of the University relating to degrees or diplomas in Engineering be repealed.

II. That the following degrees be hereby established, viz., Civil Engineer (C.E.), Mining Engineer (M.E.), Mechanical Engineer (M.E.), Electrical Engineer (E.E.).

III. That the following be the conditions and regulations governing the conferring of the said degrees:—

1. A candidate for one of the said degrees shall hold the Diploma of the School of Practical Science and the degree of Bachelor of Applied Science of the University of Toronto, except in the case provided for in clause 11 hereunder.



2. He shall have spent at least three years after receiving the degree of Bachelor of Applied Science in the actual practice of the branch of Engineering wherein he is a candidate for a degree.

3. Intervals of non-employment or of employment in other branches of Engineering shall not be included in the above three years. It shall not be necessary that the several periods requisite to make up the said three years be consecutive.

4. Satisfactory evidence shall be submitted to the University examiners as to the nature and length of the candidate's professional experience for the purposes of clauses 2 and 3.

The Examiners shall satisfy themselves by oral or written examinations in regard to the candidate's experience and competence.

5. The candidate shall prepare an original Thesis on some engineering subject in the branch in which he wishes a degree; the said Thesis to be accompanied by all necessary descriptions, details, drawings, bills of quantities, specifications and estimates.

The candidate may be required at the option of the Examiners to undergo an examination in the subject of this Thesis.

6. Notice in writing shall be sent to the Registrar not later than the first day of February, informing him of the degree to which the candidate wishes to proceed, and of the title of his proposed Thesis, for the approval of the Senate.

7. The evidence under clause 4, and the Thesis, with accompanying papers described in clause 5, shall be sent to the Registrar not later than the first day of April.

8. The candidate shall be required to present himself for examination in the month of April at such times as may be arranged by the Registrar.

9. The fee for any one of the said degrees shall be twenty dollars, and shall be paid to the Bursar not later than the first day of April.

10. The Thesis, drawings and other papers submitted under clause 7 shall become the property of the School of Practical Science.

11. Candidates who graduated from the School of Practical Science before June, 1895, shall not be required to hold the degree of Bachelor of Applied Science.



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# **CURRICULA AND REGULATIONS**

FOR DEGREES AND DIPLOMAS

**DENTISTRY,  
PHARMACY,  
AGRICULTURE,  
MUSIC,  
PEDAGOGY,  
COMMERCE,  
GYMNASTICS AND DRILL.  
HOUSEHOLD SCIENCE.**

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## CURRICULUM IN DENTISTRY.

### Degree of Doctor of Dental Surgery.

#### Matriculation.

Candidates for the degree of Doctor of Dental Surgery must pass the Matriculation examination hereinafter mentioned, unless

1. They possess a degree in Arts (not being an Honorary Degree), from some recognized University; or
2. Have already matriculated in the Faculty of Arts in this or some other University in Canada; or
3. Are Matriculants in the College of Physicians and Surgeons of Ontario; or
4. Have passed the Form III. or Form IV. Departmental Non-professional examinations in which the Latin option has been taken, it being understood that the equivalent examinations under titles no longer in force will be accepted.

Candidates not possessing any of the above named qualifications, will be required to pass the examination prescribed for matriculants in the Faculty of Medicine in this University, provided always that candidates registered as matriculants of the Royal College of Dental Surgeons of Ontario, shall be admitted matriculants in the Department of Dentistry.

#### Undergraduates.

Undergraduates (candidates for the degree) residents of the Province of Ontario, must have complied with all the requirements prescribed from time to time by the Board of Directors of the Royal College of Dental Surgeons of Ontario, for admission to examination for a certificate of license to practise Dentistry in Ontario.

Undergraduates (candidates for the degree), not resident in Ontario, must:

1. Have devoted at least three and one-half calendar years (not being engaged in any other business) to the study of Dentistry.
2. Must have attended at least three full courses of lectures, embracing all the subjects of the curriculum, of not less than five months each (exclusive of the time occupied in examination), and including the daily clinic at a dental school recognized by this University; the last of which must be at the School of Dentistry of the Royal College of Dental Surgeons of Ontario.
3. Must have spent that portion of time, when not in attendance at lectures and clinics at the School of Dentistry, as students in the office of an approved dentist.



### Examinations.

Candidates for the degree must pass two examinations, an intermediate and a final, an interval of not less than one year intervening between them. Until further provision be made, a certificate of having passed the intermediate examination of the Royal College of Dental Surgeons of Ontario will be accepted by this University.

Candidates for the final examination, which will be held at a time fixed by the Committee on Examinations, must present to the Registrar satisfactory certificates, covering all the requirements relating to undergraduates as given above, and of having passed the intermediate examination. The subjects for intermediate examination shall be:—

- (a) Comparative Dental Anatomy.
- (b) General Histology.
- (c) Bacteriology.
- (d) Theory of Operative Dentistry.
- (e) Theory of Dental Prosthetics.
- (f) Dental Technique.
- (g) Dental Materia Medica and Therapeutics.
- (h) Principles and Practice of Medicine and Surgery as applied in Dentistry.
- (i) Anatomy.
- (k) Physiology.
- (l) Chemistry.

The subjects for final examination shall be:—

- (a) Theory and Practice of Operative Dentistry.
- (b) Theory and Practice of Dental Prosthetics.
- (c) Dental Pathology.
- (d) Dental Histology.
- (e) Principles and Practice of Medicine and Surgery as Applied in Dentistry.
- (f) Dental Materia Medica and Therapeutics.
- (g) General Anatomy and special Anatomy of Head and Neck.
- (h) Physiology.
- (k) Chemistry.
- (l) Jurisprudence.
- (m) Orthodontia.

(These Examinations will be written.)

- (o) Practical Operative Dentistry.
- (p) Practical Prosthetic Dentistry.

Candidates shall be examined in practical work from time to time, during the session of the Royal College of Dental Surgeons, on completion of the required work in the Infirmary and Laboratories of the College.

Candidates may take the final examination in Anatomy, Chemistry and Orthodontia, at the close of the Second college year, on payment of a fee of three dollars.

Supplemental examinations will be conducted under the joint auspices of the University and the Royal College of Dental Surgeons in October.

No candidate shall be considered as having passed the examination who has not obtained 60 per cent. of the marks allotted; nor shall a candidate be considered as having passed in any subject who has not obtained at least 40 per cent. of the marks allotted to such subject.

### Equivalent Examinations.

Examinations in the Faculty of Arts in the Department of Natural Science, Division 1, are accepted in lieu of examinations for the degree of Doctor of Dental Surgery, as follows:—

(a) Physiology and Chemistry of the Second year for the Physiology and Chemistry of the intermediate examination.

(b) Histology of the Fourth year for the General Histology and Bacteriology of the intermediate examination.

(c) Chemistry of the Third year and Physiology of the Fourth year for Chemistry and Physiology of the final examination.

### Fees.

The fee for matriculation shall be five dollars.

The fee for registration of a certificate accepted in lieu of said examination shall be five dollars.

The fee for final examination shall be ten dollars.

The fee for supplemental examination in any one or more of the final subjects, which may be taken at the close of the second year, shall be five dollars.

The fee for supplemental examination in one or more of the other final subjects shall be ten dollars.

The fee for the degree of D.D.S. shall be fifteen dollars.

No fee shall be charged for transference from any Faculty of the University to the Department of Dentistry.

The fee for admission *ad eundem gradum* shall be twenty dollars.

## CURRICULUM IN PHARMACY.

### Degree of Bachelor of Pharmacy.

#### Matriculation.

Candidates for the degree of Bachelor of Pharmacy must either:—

1. Possess a degree in Arts (not an Honorary degree) from some recognized University; or

2. Having already matriculated in the Faculty of Arts, or the Faculty of Law, or the Faculty of Medicine in this or some other University in Canada; or

3. Be matriculants in the College of Physicians and Surgeons of Ontario; or

4. Have passed the Primary or the Junior or Senior Leaving examinations of the Education Department of Ontario in which Latin has been taken.

Provided always that all candidates registered as apprentices of the Ontario College of Pharmacy, or who have received the diploma of the College of Pharmacy up to the first day of July, A.D. 1898, shall be admitted as matriculants in the Department of Pharmacy on payment of the registration fee of five dollars.

#### Regulations.

Undergraduates (candidates for the degree), resident in the Province of Ontario must have complied with all the requirements prescribed from time to time by the Council of the Ontario College of Pharmacy for admission to examination for a diploma licensing to practice Pharmacy in Ontario, and must have received from the Registrar of the Ontario College of Pharmacy a certificate of having passed the Final examination of that College.

Candidates for the degree, not resident in Ontario, must have devoted at least four years (not being engaged in any other business) to the study of Pharmacy, being apprenticed during that time to a regularly qualified Pharmaceutical Chemist; must have attended the full courses of lectures, embracing all the subjects of the curriculum, the length of each course being not less than that required from time to time by the Council of the Ontario College of Pharmacy, and including practical work at some College of Pharmacy recognized by this University; the last of which courses must be at the Ontario College of Pharmacy.

All candidates who have, prior to August 15th, 1892, received the diploma of the Ontario College of Pharmacy shall not be required to conform to the above, but shall be allowed their degree on passing the examination on the subjects hereinafter given.

### Examinations.

Candidates for the degree must pass an examination to be held in the month of May of each year—hour and date of commencing to be hereafter given—must present to the Registrar satisfactory certificates covering all the requirements relating to undergraduates as given above, and of having passed the final examination of the Ontario College of Pharmacy.

The subjects of the examination shall be as follows:

1. Botany and Microscopy.
2. Theory and Practice of Chemistry and Toxicology.
3. Materia Medica, including Posology and Pharmacognosy.
4. Theory and Practice of Pharmacy, including Interpretation of Prescriptions and Dispensing.

These examinations shall be partly written, partly oral and partly practical.

No candidate shall be considered as having passed the examination who has not obtained fifty per cent. of the marks allotted; nor shall a candidate be considered as having passed in any subject who has not obtained at least forty per cent. of the marks allotted to such subject.

### Fees.

|  |         |
|--|---------|
| For matriculation or registration of matriculation.. | \$ 5 00 |
| For annual examination (each).....                   | 10 00   |
| For each practical examination.....                  | 0 50    |
| For the degree Phm.B.....                            | 10 00   |

No fee shall be charged for transference from any faculty of this University to the Department of Pharmacy.



## CURRICULUM IN AGRICULTURE.

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The course for the degree of Bachelor of the Science of Agriculture extends over a period of four years.

The work of the first two years is embraced in the course prescribed for the Associate Diploma of the Ontario Agricultural College (see College circular); and the work outlined below proceeds from the Associate standing and extends over a period of two years.

### Admission to Third Year Standing.

An Associate of the Ontario Agricultural College is admitted to Third year standing and allowed to proceed with the work of the Third and Fourth years:—

(1) Provided he has taken rank in his Associate Course satisfactory to the College Staff, say 50 per cent. of the marks in English and 60 per cent. in general proficiency.

(2) Provided (in case he enters the College before September, 1902) he has such a knowledge of Algebra (through quadratic equations) and Euclid (books 1, 2, and 3) as will warrant him in undertaking the additional work. Lectures on these subjects will be given at the College till the new regulation regarding matriculation takes effect; but students requiring these lectures must have such a knowledge of the subjects as will enable them to proceed rapidly.

Note.—In addition to the above, candidates intending to take the *Agriculture Option* must present satisfactory evidence of having spent at least two years at practical work with a good farmer; those entering for the *Dairy Option* must have spent at least one season at practical work in a cheese factory or creamery; and those entering for the *Horticulture Option* must have spent at least one year at practical work with a good fruit grower, market gardener, or florist.

A graduate or undergraduate in Arts or Science of any reputable University having had the necessary training in farm work, may proceed to the degree, upon presenting satisfactory certificates of standing and passing examinations on those associate subjects not covered by his certificates.

The work done previously by such a candidate will be accepted *pro tanto* for any part of the work prescribed for the degree.

### Third Year.

#### ENGLISH.—

(1) COMPOSITION: Exercises in the Correction of False Syntax (Strang); writing of essays on subjects assigned; Outlines of Rhetoric (Genung).

(2) LITERATURE: Macbeth (Shakespeare); Paradise Lost, book 1 (Milton); Elizabethan period of English literature (Pancoast); Standard English Classics,—Essay on Milton (Macaulay).

#### FRENCH OR GERMAN.—

Grammar, reader, and selections from easy French or German prose.

#### PHYSICS.—

(a) Calorimetry; (b) meteorology; (c) ventilation and cold storage.

CHEMISTRY.—Agricultural and animal chemistry,—lectures and laboratory work.

#### GEOLOGY.—

A short practical course, dealing specially with the geology of Canada, soil formation, and economic deposits.

#### BOTANY.—

(a) Systematic and structural botany, including elementary histology, —lectures and laboratory work on the chief orders of flowering plants, including grasses and the identification of grass, clover, and other seeds; collection and mounting of 25 species of grasses, 50 species of weeds, and 25 species of weed seeds; (b) a study of the chief types of cryptogamic plants; (c) a laboratory and lecture course in physiological botany.

#### ENTOMOLOGY.—

Economic entomology,—detailed study of injurious and beneficial insects and the best methods of preventing the ravages of the former.

#### NATURE STUDY.—

Soils, plants, and insects; lectures by instructors, and the preparation of notes by students on lessons, papers, and addresses, with practical demonstrations in teaching and institute work, from April 17th to June 17th.

### Fourth Year.

One of the following options:—

#### Agriculture Option.

See note under "Admission to Third Year standing."

#### MAJORS:

##### 1. AGRICULTURE AND LIVE STOCK.—

(1) General field agriculture; text-book,—The Fertility of the Land (Roberts).

- (2) Cattle, sheep, swine, and horses; characteristics of the principal breeds; lectures and practical work in judging.
- (3) Poultry; buildings, feeding, and management; principal breeds.—Poultry Craft (Robinson).
- (4) Principles and practice of stock breeding; text-book,—Stock Breeding (Miles).
- (5) Feeding and management of live stock; text-book,—Feeds and Feeding (Henry).
- (6) Farm management, including the management of farm labour, cultivation for various crops, feeding of animals, making of live stock inventories, stock records, etc. Essays on subjects relating to agriculture and live stock.

READING.—As assigned.

2. CHEMISTRY.—Agricultural and animal chemistry; analysis of manures, fodders, dairy products, etc.

READING.—As assigned.

#### MINORS:

ENGLISH.—Michael, and Resolution and Independence (Wordsworth); Ulysses and In Memoriam (Tennyson),—cantos contained in Alexander's selections; Standard English Classics.—Essay on Burns (Carlyle); Outlines of Rhetoric (Genung); the Augustan and Victorian periods of English literature (Pancoast); essays on subjects assigned.

FRENCH OR GERMAN.—Prescribed texts and easy sight translation.

PHYSICS.—Soil and plant physics,—lectures and laboratory work.

FORESTRY.—Importance of forests, the forestry question in Ontario, methods of re-forestation, and management of timber lands.

BOTANY.—(a) Systematic botany, grasses, weeds, and forage crops;  
(b) fungi and fungous diseases.

BACTERIOLOGY.—Relation of bacteria to agriculture; infective diseases of animals.

### Dairy Option.

See note under "Admission to Third Year Standing."

#### MAJORS:

##### 1. DAIRY HUSBANDRY.—

- (1) Farm Dairy work and milk-testing, theory and practice with "Testing Milk and Its Products" (Farrington and Woll), and "The Farm and the Dairy" (Sheldon), in Fall Term.
- (2) Practical work in cheese and butter-making, pasteurization of milk, and milk-testing,—covering all the latest practices in dairy operations.
- (3) Lectures, with "Milk and Its Products" (Wing) and "The Book of the Dairy" (Fleischmann).

READING.—As assigned.

## 2. BACTERIOLOGY.—

Dairy bacteriology and such general bacteriology as is necessary for the proper understanding of the work in dairying.

READING.—As assigned.

## 3. CHEMISTRY.—

Dairy chemistry and such general and agricultural chemistry as is necessary for the proper understanding of the work in dairying.

READING.—As assigned.

## MINORS :

ENGLISH.—Same as in the Agriculture Option.

FRENCH OR GERMAN.—Same as in the Agriculture Option.

PHYSICS.—Physical properties of milk and its products.

BOTANY.—Grasses and forage crops,—lectures and laboratory work.

LIVE STOCK.—Dairy cattle, swine, and poultry; breeding, feeding, and management, with practical work in judging.

**Horticulture Option.**

See note under "Admission to Third Year Standing."

## MAJORS:

- (1) FRUIT GROWING: theory and practice in the growing and management of Canadian fruits.
- (2) VEGETABLE GARDENING: theory and practice in the production and handling of vegetable crops; the growing of hothouse vegetables.
- (3) FLORICULTURE: flowering plants; their care and management in green-houses, beds, borders, windows, etc.
- (4) LANDSCAPE GARDENING: a study of the principles and methods involved in beautifying private and public grounds.
- (5) FORESTRY: the importance of forests; the forestry problem in Ontario; methods of re-forestation and management of timber lands.
- (6) PRACTICAL WORK in pruning, grafting, budding, hybridizing, making cuttings of plants, potting, preparation of soil, etc.

READING.—As assigned.

## MINORS:

ENGLISH.—Same as in Agriculture Option.

FRENCH OR GERMAN.—Same as in Agriculture Option.

CHEMISTRY.—Agricultural chemistry.

PHYSICS.—Soil and plant physics,—lectures and laboratory work.

## ENTOMOLOGY.—

- (1) SYSTEMATIC: a laboratory course in the identification and classification of insects. Students to make their own collections.—Comstock's Manual for the Study of Insects; Howard's Insect Book.



- (2) **ECONOMIC:** a special study of injurious and beneficial insects. The life-history of many species to be worked out in the Insectary.—Reports; Smith's Economic Entomology; Saunders' Insects Injurious to Fruits.

**BOTANY:**

- (1) **SYSTEMATIC AND STRUCTURAL BOTANY:** lectures and laboratory work on chief orders of flowering plants, with special reference to cultivated forms. A mounted collection of 100 cultivated plants.
- (2) **PHYSIOLOGICAL:** a review of the laboratory and lecture course of the Third Year,—seminary method.
- (3) **HISTOLOGICAL:** mounting, examining, and drawing vegetable cells and tissues.
- (4) **FUNGI AND PLANT PATHOLOGY:** (a) laboratory course with occasional lectures in which are studied the injurious fungi affecting orchard, garden, greenhouse, and farm crops; (b) a collection of 50 injurious fungi by each student; (c) practical study of important bacterial diseases of plants.

**Biology Option.**

**MAJORS:**

**BOTANY.—**

- (1) **SYSTEMATIC:** lectures and laboratory work on the chief orders of flowering plants, including grasses and the identification of grass, clover, and other seeds. A mounted collection of 100 plants, and 25 specimens of weed seeds.—Gray; Britton; Warming.
- (2) **STRUCTURAL:** lectures and laboratory work on the organs of the plant.—Vines and Strasburger.
- (3) **PHYSIOLOGICAL:** an advanced laboratory course in which each student investigates for himself certain life processes of plants.—McDougall; Ganong; Pfeffer.
- (4) **HISTOLOGICAL:** mounting, examining, and drawing vegetable cells and tissues.—Vines' Students' Text-book; Chamberlain's Plant Histology.
- (5) **CRYPTOGAMIC:** a laboratory study of the chief types, covering the thallophytes, bryophytes, and pteridophytes.
- (6) **FUNGI AND PLANT PATHOLOGY:** (a) laboratory course with occasional lectures in which are studied the injurious fungi affecting orchard, garden, greenhouse, and farm crops; (b) a collection of 50 injurious fungi; (c) practical study of important bacterial diseases of plants.—Massee; Tubeuf and Smith; Ward; and Reports.

**READING.—**As assigned.

## ZOOLOGY.—

- (1) INVERTEBRATE: a laboratory course with lectures on the chief types.—Brook's Invertebrate Zoology; McMurrich; Parker and Haswell.
- (2) VERTEBRATE: a laboratory course with lectures on the chief types.—Huxley and Martin's Biology; Parker's Zootomy; Parker and Haswell; Huxley's Anatomy of Vertebrates.
- (3) HISTOLOGY.—METHODS: imbedding, cutting, mounting, and study of specimens.—Huber's Histology.
- (4) PHYSIOLOGY: a lecture course in connection with the dissection of the types.

READING.—As assigned.

## ENTOMOLOGY.—

- (1) SYSTEMATIC: a laboratory course in the identification and classification of insects. Students to make their own collections.—Comstock's Manual for the Study of Insects; Howard's Insect Book.
- (2) ECONOMIC: a special study of injurious and beneficial insects. The life histories of many species to be worked out in the Insectary.—Smith; Sanderson; Reports.

READING.—As assigned.

## MINORS:

- (1) ENGLISH.—As in Agriculture Option.
- (2) FRENCH OR GERMAN.—As in Agriculture Option.
- (3) BACTERIOLOGY.—Sections 1 and 2 in the Bacteriology Option.

**Bacteriology Option.**

## MAJORS:

- (1) Microscopical Methods: examination of living bacteria, aniline dyes, special staining methods, preparation of morbid specimens, imbedding, and section cutting.
- (2) Cultivation Methods: apparatus, principles of sterilization, preparation of culture media, and plate and test-tube cultivation.
- (3) Biology of Bacteria: chemical composition, nutrition, form, classification, circumstances affecting growth, products of growth, chromogenic, zymogenic, septic, and pathogenic bacteria. Toxines and anti-toxines, immunity, attenuation of virus, protective inoculation, serum, and therapy.
- (4) Infective Diseases: disinfectant and antiseptics; anthrax—symptomatic anthrax, and malignant œdema; tuberculosis; glanders; typhoid fever; swine fever; cholera; hog cholera; chicken cholera; tetanus; rabies; diphtheria; cow pox; actinomycosis.
- (5) Examination of air, water, soils and foods.

\* (6) The Biology of Yeasts: micro-organisms of fermentation; diseases of wine and beer; technical mycology.

\* (7) Dairy Bacteriology: the relation of bacteria to dairying; the fermentations of milk; pure culture system in butter-making; pasteurization and sterilization; the bacteriological analysis of dairy products; the results of recent investigations.

\* (8) Agricultural Bacteriology: the relation of bacteria to agriculture.

\* Any one of these for the Bacteriology Option.

READING.—As assigned.

#### MINORS:

- (1) ENGLISH.—As in Agriculture Option.
- (2) GERMAN.—As in Agriculture Option.
- (3) BOTANY.—Sections 5 and 6 in the Biology Option.
- (4) ZOOLOGY.—Sections 2, 3, and 4 in the Biology Option.

#### Physics and Chemistry Option.

#### MAJORS:

##### PHYSICS.—

- (1) THERMOMETRY AND CALORIMETRY: latent heat, specific heat, vapor and gaseous pressure, etc.
- (2) PHYSICS OF HEAT ENGINES: with special reference to the theory and working of the steam engine.
- (3) METEOROLOGY: taking and recording observations with instruments; laboratory determination of meteorological conditions.
- (4) ANALYSIS AND EXAMINATION OF TYPICAL SOILS: physical properties of soil in relation to plant growth.
- (5) COLD STORAGE,—principles, methods, and results.
- (6) VENTILATION AND HEATING.
- (7) DAIRY PHYSICS: the physical properties of milk and its products.

READING.—As assigned.

##### CHEMISTRY.—

- (1) INORGANIC CHEMISTRY: course of experiments with lectures.
- (2) ORGANIC CHEMISTRY: (a) preparation of organic compounds; (b) lectures.
- (3) AGRICULTURAL CHEMISTRY.
- (4) ANIMAL CHEMISTRY: chemistry of feeding.
- (5) LABORATORY WORK: qualitative and quantitative analysis.
- (6) POLARISCOPE AND SUGAR DETERMINATIONS.
- (7) ANALYSIS of water, soils, manures, fodders, dairy products, etc.

READING.—As assigned.

#### MINORS:

- (1) ENGLISH.—As in the Agriculture Option.
- (2) FRENCH OR GERMAN.—As in Agriculture Option.

- (3) BOTANY.—Section 6 of the Biology Option.
- (4) AGRICULTURE.—Sections 1 and 5 in major portion of Agriculture Option.

Text-books: Agricultural Chemistry (Warington); Inorganic Chemistry (Remsen's Advanced Course); Organic Chemistry (Remsen); Organic Preparations (Gatterman); Testing Milk and its Products (Farrington and Woll).

#### NOTES REGARDING THIRD AND FOURTH YEAR WORK.

- (1) A record of each student's practical work throughout the course will be kept.
- (2) A record of each student's reading, as tested from time to time, will also be kept.
- (3) Practical, as well as written, examinations will be held whenever such examinations are practicable.
- (4) Each student is required to prepare a Thesis on some branch or department of the work in his special course, under the direction of the professor or instructor in whose department the work is done. The subject is to be chosen not later than the end of the Third Year, and submitted for the approval of the Staff. The Thesis must be based chiefly on original investigation, and will be followed by an oral examination before a committee of the Staff appointed for the purpose. It must be type-written on letter-size paper, and handed to the committee of adjudication on or before the first of April in the Fourth Year.

NOTE.—Graduates who meet the requirements in (c) and (d) for Certificates in Agriculture and Horticulture will be eligible for appointment to teach Agriculture and Nature Study in the Public Schools and High Schools of Ontario, as soon as they comply with the requirements of the Education Department as to training in the Normal College.



## CURRICULUM IN MUSIC.

### Degree of Bachelor of Music.

The Degree of Bachelor of Music (Mus. Bac.) will be conferred by the University of Toronto upon students of Music, on compliance with the requirements of the curriculum in Music which may from time to time be prescribed by the Senate.

### Matriculation.

The candidate for the degree of Bachelor of Music must pass the following examination of the University for a certificate of proficiency in general education:—

#### 1. ENGLISH.

**ENGLISH GRAMMAR:** The main facts in the development of the language. Etymology and Syntax, including the logical structure of the sentence and the inflection, classification and elementary analysis of words.

**COMPOSITION:** An essay to which special importance will be attached, on one of several themes set by the examiners. In order to pass in this subject, legible writing, correct spelling and punctuation, and proper construction of sentences are indispensable. The candidate should also give attention to the structure of the whole essay, the effective ordering of the thought, and the accurate employment of a good English vocabulary. About two pages of foolscap is suggested as the proper length for the essay; but quality, not quantity, will be mainly regarded.

**LITERATURE:** Such questions only shall be set as may serve to test the candidate's familiarity with, and intelligent appreciative comprehension of, the prescribed texts. The candidate will be expected to have memorized some of the finest passages. In addition to the questions on the prescribed selections, others shall be set on a "sight passage" to test the candidate's ability to interpret literature for himself.

1904. **TENNYSON:** The Lady of Shalott, The Lotus Eaters, Ænone, The Epic and Morte d'Arthur, Ulysses, "You ask me, why," "Of old sat Freedom," "Love thou thy land," St. Agnes' Eve, "Break, break, break," Sir Galahad, "Tears, idle tears," and the six interlude songs from The Princess, The Brook, Ode on the Duke of Wellington, Charge of the Light Brigade.

**SHAKESPEARE:** Julius Cæsar.

1905: LONGFELLOW: *Evangeline*, "The Day is Done," *The Old Clock on the Stairs*, *The Fire of Driftwood*, *Resignation*, *The Warden of the Cinque Ports*, *The Bridge*, *A Glean of Sunshine*.

WORDSWORTH: "Three years she grew in sun and shade," "She was a Phantom of delight," "There is a Flower, the lesser Celandine," To a Skylark ("Ethereal minstrel! pilgrim of the sky!"), *The Green Linnet*, *To the Cuckoo*.

SHAKESPEARE: *Macbeth*.

1906: COLERIDGE: *The Ancient Mariner*. WORDSWORTH, Michael, *Influence of Natural Objects*, *Nutting*, *Expostulation and Reply*, *The Tables Turned*, *The Solitary Reaper*, *Ode to Duty*, *Elegiac Stanzas*, To the Rev. Dr. Wordsworth, "She was a Phantom of delight," To the Cuckoo, *The Green Linnet*, "Bright Flower! whose home," To a Skylark ("Ethereal minstrel! pilgrim of the sky!"), *Reverie of Poor Susan*, *To My Sister*, "Three years she grew in sun and shade," September, 1819, Upon the same Occasion.

The following twelve sonnets: "Two Voices are there," "Scorn not the Sonnet," "A flock of sheep that leisurely," "Earth hath not anything," "It is not to be thought of," "Fair Star of evening," "O friend! I know not," "Milton! thou should'st," "When I have borne in memory," "Brook! whose society," "Tax not the royal Saint," "They dreamt not of a perishable home."

SHAKESPEARE: *Merchant of Venice*.

## II. ARITHMETIC.

ARITHMETIC: Elementary rules, fractions (vulgar and decimal), interest, discount, and easy problems in stocks. Special importance will be attached to accuracy and neatness.

## III. One of the following languages:—

### 1. GREEK.

Translation into English of passages from prescribed texts.

Translation at sight (with the aid of vocabularies) of easy Attic prose, to which special importance will be attached.

Grammatical questions on the passages from prescribed texts will be set, and such other questions as arise naturally from the context.

Translation from English into Greek of sentences and of easy narrative passages based upon the prescribed prose texts.

The following are the prescribed texts:—

1904 and 1905: Selections from XENOPHON, *Anabasis I.*, in White's *Beginner's Greek Book* (pp. 304-428), with the exercises thereon; HOMER, *Iliad I.*

1906: Selections from XENOPHON, *Anabasis I.*, in White's *Beginner's Greek Book* (pp. 304-428), with the exercises thereon; HOMER, *Iliad VI.*

Two papers will be set: (1) Prescribed texts and translation at sight; questions on Grammar; (2) the translation of English into Greek.

## 2. LATIN.

Translation into Latin of English phrases and easy sentences to illustrate Latin accidence and the common rules of Latin syntax.

Translation into Latin of easy narrative English based upon the first twenty-five chapters of the prescribed *Cæsar*.

Translation at sight (with the aid of vocabularies) from some easy prose author.

Translation from prescribed texts, with grammatical and other questions naturally arising from the extracts set for translation.

The following are the texts prescribed:—

1904, 1905 and 1906: *Cornelius Nepos*, *Lives of Themistocles and Aristides*; *CÆSAR*, *Bellum Gallicum*, Book IV. (omitting Chap. 17), and Book V., Chaps. 1-23; *VERGIL*, *Æneid*, Book II. (1-505).

Two papers will be set: (1) Translation of English into Latin. (2) Prescribed texts and translation at sight, with questions on grammar, etc.

N.B.—The Roman method of pronouncing Latin is recommended.

## 3. FRENCH.

The candidate's knowledge of French will be tested by: (1) simple questions on grammar, (2) the translation of simple passages from English into French, (3) translation at sight of easy passages from modern French, and (4) an examination on the following texts:—

1904: *LAMENNAIS*, *Paroles d'un croyant*, Chaps. VII. and XVII.; *PERRAULT*, *le Maître Chat ou le Chat Botté*; *DUMAS*, *Un nez gelé*, and *la Pipe de Jean Bart*; *ALPHONSE DAUDET*, *la Dernière classe*, and *la Chèvre de M. Seguin*; *LEGOUVÉ*, *la Patte de dindon*; *POUVILLON*, *Hortibus*; *LOTI*, *Chagrin d'un vieux forçat*; *MOLIÈRE*, *l'Avare*, Acte III., sc. 5 (*Est-ce à votre cocher... sous la mienne*); *VICTOR HUGO*, *Waterloo*, Chap. IX.; *ROUGET DE L'ISLE*, *la Marseillaise*; *ARNAULT*, *la Feuille*; *CHATEAUBRIAND*, *l'Exilé*; *THÉOPHILE GAUTIER*, *la Chimère*; *VICTOR HUGO*, *Extase*; *LAMARTINE*, *l'Automne*; *DE MUSSET*, *Tristesse*; *SULLY PRUDHOMME*, *le Vase brisé*; *LA FONTAINE*, *le Chêne et le Roseau*.

*DAUDET*, *La Belle Nivernaise*.

1905: *LAMENNAIS*, *Paroles d'un croyant*, Chaps. VII. and XVII.; *PERRAULT*, *le Maître Chat ou le Chat Botté*; *DUMAS*, *Un nez gelé*, and *la Pipe de Jean Bart*; *ALPHONSE DAUDET*, *la Dernière classe*, and *la Chèvre de M. Seguin*; *LEGOUVÉ*, *la Patte de dindon*; *POUVILLON*, *Hortibus*; *LOTI*, *Chagrin d'un vieux forçat*; *MOLIÈRE*, *l'Avare*, Acte III., sc. 5 (*Est-ce à votre cocher... sous la mienne*); *VICTOR HUGO*, *Waterloo*, Chap. IX.; *ROUGET DE L'ISLE*, *la Marseillaise*; *ARNAULT*, *la Feuille*; *CHATEAUBRIAND*, *l'Exilé*; *THÉOPHILE GAUTIER*, *la Chimère*; *VICTOR HUGO*, *Extase*; *LAMARTINE*, *l'Automne*; *DE MUSSET*, *Tristesse*; *SULLY PRUDHOMME*, *le Vase brisé*; *LA FONTAINE*, *le Chêne et le Roseau*.

*ERCKMANN-CHATRIAN*, *Contes fantastiques*, pp. 3-69, 121-138, ed. by E. S. Joynes (Holt & Co.).

1906: LAMENNAIS, *Paroles d'un croyant*, Chaps. VII. and XVII.; PERRAULT, *le Maître Chat ou le Chat Botté*; DUMAS, *Un nez gelé*, and *la Pipe de Jean Bart*; ALPHONSE DAUDET, *la Dernière classe* and *la Chèvre de M. Seguin*; LEGOUVÉ, *la Patte de dindon*; POUVILLON, *Hortibus*; LOTI, *Chagrin d'un vieux forçat*; MOLIÈRE, *l'Avare*, Acte III., sc. 5. (*Est-ce à votre cocher... sous la mienne*); VICTOR HUGO, *Waterloo*, Chap. IX.; ROUGET DE L'ISLE, *la Marseillaise*; ARNAULT, *la Feuille*; CHATEAUBRIAND, *l'Exilé*; THÉOPHILE GAUTIER, *la Chimère*; VICTOR HUGO, *Extase*; LAMARTINE, *l'Automne*; DE MUSSET, *Tristesse*; SULLY PRUDHOMME, *le Vase brisé*; LA FONTAINE, *le Chêne et le Roseau*.

LABICHE, *le Voyage de Monsieur Perrichon*.

Two papers will be set: (1) Prescribed texts and translation at sight; questions on Grammar; (2) the translation of English into French.

#### 4. GERMAN.

The candidate's knowledge of German will be tested by: (1) simple questions on grammar, (2) the translation of simple passages from English into German, (3) translation at sight of easy passages from modern German, and (4) an examination on the following texts:—

1904 and 1906: GRIMM, *Rotkäppchen*; ANDERSEN, *Wie's der Alte macht*, *Das neue Kleid*, *Venedig*, *Rothschild*, *Der Bär*; ERTL, *Himmelsschlüssel*; FROMMEL, *Das eiserne Kreuz*; BAUMBACH, *Nicotiana*, *Der Goldbaum*; HEINE, *Lorelei*, *Du bist wie eine Blume*; UHLAND, *Schäfer's Sonntagslied*, *Das Schloss am Meer*; CHAMISSE, *Das Schloss Boncourt*; CLAUDIUS, *Die Sterne*, *Der Riese Goliath*; GOETHE, *Mignon*, *Erkönig*, *Der Sänger*; SCHILLER, *Der Jüngling am Bache*.

BAUMBACH, *Waldnovellen*.

1905: GRIMM, *Rotkäppchen*; ANDERSEN, *Wie's der Alte macht*, *Das neue Kleid*, *Venedig*, *Rothschild*, *Der Bär*; ERTL, *Himmelsschlüssel*; FROMMEL, *Das eiserne Kreuz*; BAUMBACH, *Nicotiana*, *Der Goldbaum*; HEINE, *Lorelei*, *Du bist wie eine Blume*; UHLAND, *Schäfer's Sonntagslied*, *Das Schloss am Meer*; CHAMISSE, *Das Schloss Boncourt*; CLAUDIUS, *Die Sterne*, *Der Riese Goliath*; GOETHE, *Mignon*, *Erkönig*, *Der Sänger*; SCHILLER, *Der Jüngling am Bache*.

LEANDER, *Träumereien*, pp. 45-90 (selected by Van Daell).

Two papers will be set: (1) Prescribed texts and translation at sight; questions on Grammar; (2) the translation of English into German.

#### 5. ITALIAN.

Elementary Grammar (Grandgent's Grammar and the Italian *Principia* recommended); translation into Italian of short English sentences; and an examination on the following text:—

1904, 1905 and 1906: DE AMICIS, *Cuore* (I. Racconti mensili).

In lieu of the above a certificate of having passed the Form II. examination of the Education Department of Ontario or any subsequent exami



nation in a High School, or Matriculation in Arts in any **University** in His Majesty's dominions, including one of the **languages**: Greek, Latin, French, German, Italian, will be **accepted**.

Certificates of having passed Part I. of Junior Matriculation will be accepted *pro tanto* for Matriculation in Music.

Candidates at the Junior Leaving or Junior Matriculation examination who obtain the necessary percentage in the subjects required for Matriculation in Music may, on petition to the Senate, be granted Matriculation in Music.

Special applications for Matriculation may be dealt with by the Senate.

The Senate may in the case of Musicians of established reputation who apply for standing in the Faculty of Music, dispense with the Matriculation examination.

### Undergraduate Course.

In addition to Matriculation the candidate must have passed three examinations, theoretical and practical, before the degree of Bachelor of Music shall be granted.

All candidates must prove ability as practical musicians:—

- (a) As actual performers upon the pianoforte, organ or some orchestral instrument.
- (b) As vocalists with satisfactory knowledge of pianoforte accompaniment.

#### First Year.

THEORY OF MUSIC:—

1. Harmony in three and four parts.
2. Counterpoint in two and three parts.
3. Musical History up to 1750.

PRACTICAL MUSIC:—

Candidates may be required to play—on the piano or some orchestral instrument—or sing:—

1. **Test exercises of a technical character.**
2. Two compositions (or portions of them), selected by the examiner. They shall also be required to play at the keyboard:—
  - (a) A four-part harmony upon a given figured bass.
  - (b) A simple chorale, or an accompaniment to a song, in a key other than that in which the piece is written.

#### Second Year.

THEORY OF MUSIC:—

1. Harmony in not more than five parts.
2. Strict Counterpoint (including the treatment of the various species in combination) in not more than four parts.
3. Double Counterpoint.

4. Fugue and Canon, in not more than three parts.
5. Elements of Acoustics.
6. History of Music from 1750 to the present time.

PRACTICAL MUSIC:—

Candidates shall be required to play—on the piano or some orchestral instrument—or sing:—

Two compositions (or portions of them), selected by the examiner.

They shall also be required to play, at the keyboard, the following tests, etc.:—

1. A figured bass, to be filled up, making a piece of four-part harmony.
2. A melody, to be harmonized in four parts.
3. To modulate from one key to another, as asked for by the examiner.
4. A piece of music, or an accompaniment to a song, to be transposed into a key named by the examiner.
5. An extract of four-part vocal score.

### Third Year.

THEORY OF MUSIC:—

1. Harmony in not more than six parts, including some original work in four or five parts.
2. Strict, and free, Counterpoint in not more than five parts, with illustrations of imitative work.
3. Canon, and Fugue with special reference to the Episode, in four parts.
4. A general review of the History of Music from the earliest period to the present time.
5. Musical forms, and analysis.
6. Instrumentation, and scoring for the various sections of a modern orchestra, with practical illustrations of the candidate's ability to put into full score a phrase or phrases from a Beethoven sonata or from a similar composition selected by the examiner.
7. Analysis of the full orchestral score of some classical work:—  
1904: MENDELSSOHN'S *Elijah*.

PRACTICAL MUSIC:—

Candidates shall be required to play—on the piano or some orchestral instrument—or sing:—

Two or three compositions (or portions of them), selected by the examiner.

They shall also be required to play, at the keyboard, the following tests, etc.—

1. A melody to be harmonized in four parts.
2. A piece of music, or an accompaniment to a song, to be transposed into a key named by the examiner.
3. From a piece of vocal score.

4. To extemporize, in proper form, upon a given phrase.
5. From an orchestral score, and reproduce, as to pitch, the portions asked for.

In addition to the prescribed course for the Final examination, an original composition, either sacred or secular, will be required, containing five-part harmony, imitative counterpoint and four-part fugue with orchestral accompaniment and sufficiently long to occupy fifteen minutes in performance. This composition must be sent to the Registrar not later than May 1st.

Candidates for the degree may defer presenting this composition until a subsequent annual examination, in which case the fee for examination shall be \$10.

A certificate of having passed the examinations of the First and Second years of the affiliated College of Music or Conservatory of Music will be accepted *pro tanto* in lieu of the First year examination.

The examination for the diploma of the affiliated College of Music or Conservatory of Music will be accepted *pro tanto* in lieu of the First and Second year examination.

The Senate may admit *ad eundem statum* undergraduates of other Universities after due inquiry as to the requirements demanded by the institutions in which the candidates obtained their standing.

Musicians of established reputation may be admitted to the degree of Bachelor of Music upon their submitting for the approval of the University examiner or examiners an original composition, consisting of any one of the following:—

1. An Oratorio.
2. A Cantata.
3. A Symphony.
4. An extended piece of Chamber Music.

## Examinations.

The examinations will take place at times to be fixed by the Senate. Applications must be transmitted to the Registrar at times to be fixed by the Senate, and at the time of application the proper fee must be paid to the Bursar.

## Fees.

|  |         |
|--|---------|
| Matriculation . . . . .                                | \$10 00 |
| Each examination subsequent to matriculation . . . . . | 10 00   |
| For admission <i>ad eundem statum</i> . . . . .        | 10 00   |
| Degree of Mus. Bac. . . . .                            | 20 00   |

### Text-Books.

Stainer's Treatise of Harmony; Prout's Harmony; Hiles' Grammar of Music, Books I. and II.; Banister's Music; Bridge's Primer of Counterpoint; Prout's Counterpoint; Richter's Counterpoint (Franklin Taylor's edition); Cherubini's Counterpoint, Canon and Fugue; Prout's Double Counterpoint and Canon; Jadassohn's Canon and Fugue; Higg's Primer of Fugue; Prout's Fugue; Stainer's Primer of Composition; Prout's Musical Form; Ouseley's Musical Form; Prout's Fugal Analysis; Prout's Primer of Instrumentation; Niemann's Catechism of Musical Instruments; Berlioz on Instrumentation; Stone's Primer on Scientific Basis of Music; Sedley Taylor's Sound and Music; Sedley Taylor's Science of Music; Tyndall on Sound; Bonavia Hunt's History of Music; Naumann's History of Music; Parry's Summary of Musical History (Primer); Rockstro's History of Music; Articles in Grove's Dictionary of Music and Musicians bearing on the various subjects for examination.

Candidates are not restricted to the above list, which is only suggested. The paper work is judged irrespective of any particular author or school.



## CURRICULUM FOR LOCAL EXAMINATIONS IN MUSIC.

The University of Toronto Local Examinations in Music are held annually at specially announced dates between the 1st of June and 15th of July. The examinations in Theory will be held in the second week of June, 1904.

The Local Examinations in practical branches for Toronto will be held at the University on June 7th, 8th, 9th, 10th and 11th, 1904.

The Local Examinations include the Primary, Junior and Senior grades, in the practical branches (piano, organ and violin), and the Junior, Intermediate and Senior grades in the Theory of Music.

As necessity arises examinations will be announced in other practical branches.

Various local centres, each under the charge of a local representative, have been established in different parts of the Dominion.

Applications for local examinations must be forwarded to the Registrar of the University not later than May 9th, 1904. The fees for examination and certificate must, in all cases, accompany the candidate's application for examination. The fee for certificate will be returned to unsuccessful candidates.

The names and addresses of candidates should be written on the proper form of application which may be obtained through the local representatives, or upon application to the Registrar of the University.

A list of the successful candidates will be published in the Toronto papers as soon as possible after the examiners have completed their duties.

Candidates in practical subjects are informed that when any particular edition is named, for the purpose of identifying compositions, the use of such edition is not compulsory. The examiners will accept any edition, but candidates are particularly cautioned against presenting wrong pieces, as errors in this respect will invariably result to the disadvantage of the candidate.

The total number of marks necessary to pass in any subject is 60; second class honours, 70; for first class honours, 80; maximum, 100.

Candidates in the practical subjects may, if desired, pass at once to any higher examination in the series without first passing the lower grades.

There is no appeal whatever from the decision of the Examiner or Examiners.

## Theory of Music.

The Theory Examinations are conducted in three grades:—Junior, Intermediate and Senior. The Board of Studies have decided not to name any text books on Harmony and Counterpoint. Intelligible answers will be accepted by the Examiners, regardless of any particular system or theory.

Three hours will be allowed for each paper.

For particulars as to fees, see page 30.

The Junior division paper will embrace questions on notes and rests; key-signatures and time-signatures; intervals and their inversions; treble and bass clefs; major, minor and chromatic scales; meanings of terms and signs in ordinary use; transposition from one key to another, and from treble to bass, or vice versa. No part-writing will be required, but questions will be asked on the construction of the common chord, and the chord of the dominant seventh; and on the inversions of these chords.

The Intermediate division paper will include questions, embracing the subject matter of the requirements for the Junior division; on transposition into various keys and clefs (including the C clef); intervals and their inversions; triads and their inversions; the dominant and diminished sevenths, and their inversions and resolutions; preparation and resolution of suspensions (including retardations); transcription from short score to open vocal score; the harmonization of a figured bass; cadences; sequences; simple modulation; well known facts on musical history within the period 1750-1850.

The Senior division paper will embrace questions on triads (consonant and dissonant); discords of the seventh and ninth (chromatic and diatonic); suspensions; passing discords; the augmented sixth; inversions of all the before-mentioned chords; adding three parts above a figured bass; harmonizing a given melody, or an unfigured bass, in three or four parts; adding one part in the first species of counterpoint to a given canto fermo; adding one part in the second, third, fourth or fifth species of counterpoint to a given canto fermo; elementary form (questions will be set on the general outline of movements in the ancient and modern binary forms, and on the musical period, section and phrase); modulation; musical history from 1680 to 1850.

The certificate for the Senior division in Theory will not be issued unless the candidate has passed the examination of the Junior division.

## Pianoforte.

### Primary Grade.

Candidates will be required to prepare six numbers in all, chosen from the following list of compositions, one of which must be by Bach, and one by Beethoven—the candidate to be allowed freedom of choice in the remaining four pieces:—

- Aletter, W.* . . . . . Melodia in F.
- Bach, J. S.* . . . . . Twelve Little Preludes (Peters' edition, vol. 200,) Nos. 3, 5, 7, and 8; 11 and 12. Six Little Preludes (Peters' edition, vol. 200), Nos. 1 and 2; 3 and 4; 5 and 6. Fugue, No. 3, in C minor and Fugue, No. 4, in C major (Peters' edition, vol. 200); Fugue, No. 5, in C major (Peters' edition, vol. 200).
- Beethoven* . . . . . Seven Bagatelles, op. 33, (Schirmer's Library, vol. 5); No. 1 in E flat major; No. 2 in C major; Nos. 3 and 4 in F major and A major respectively; Sonata. op. 49, No. 2.
- Bendel, F.* . . . . . Nocturne in A flat, op. 92.
- Bird, A.* . . . . . Sketch, op. 15, No. 1; Sketch, op. 15, No. 3.
- Borowski, F.* . . . . . Valse Champetre; Reverie, from Album Lyrique. No. 5; Berceuse from Album Lyrique, No. 3.
- Boscovitz, F.* . . . . . Danse aux Sabots; Stellina, Polish Dance.
- Chaminade, C.* . . . . . Serenade in D.
- Chopin.* . . . . . Preludes, op. 28, Nos. 4 and 6; Mazurka, in B flat, op. 7, No. 1.
- Ducelle, Paul.* . . . . . Gondolinette in A.
- Durand, A.* . . . . . Chaconne in A minor, op. 62; Valse in E flat.
- Godard, Charles.* . . . . . Pensee, op. 38.
- Gregh, L.* . . . . . Pastorale, op. 13.
- Haberbier.* . . . . . Barcarolle, op. 53, No. 2; Serenade, op. 53, No. 5.
- Handel, G. F.* . . . . . Gigue in F minor.
- Haydn, J.* . . . . . Gipsy Rondo.
- Heller, Stephen.* . . . . . Napoli 2me. Petite Tarantelle; Quatre Arabesques, No. 1 in C and No. 2 in A major.
- Henselt* . . . . . Romance de Thal.
- Hitz, Fr.* . . . . . The Lively Mill.
- Jadassohn, S.* . . . . . Spring Song, op. 93. Serenade in E.
- Jensen, A.* . . . . . Happy Wanderer, in A flat.
- Jungmann, A.* . . . . . Will o' the Wisp, op. 217, No. 3.
- Lack, T.* . . . . . Arietta in F, op. 97; Canzonetta, op. 30, No. 3.
- Lalo* . . . . . Reverie in F sharp minor.
- Lange, G.* . . . . . A la Cosaque, op. 365.
- Liszt* . . . . . Consolation, No. 1.

- Meyer, A.* . . . . . Waltz, from Three Sketches, No. 1; Mazurka Caprice No. 2; At Evening, No. 3.
- Macdowell, E.* . . . Idyllen, op. 28, Six Short Pieces (any one); Four Little Poems, op. 32 (any two).
- Meyer-Helmund* . . Chanson Triste in F minor; J'y Pense; Gondoliera, op. 71, No. 1.
- Mendelssohn.* . . . Songs Without Words, Nos. 4, 6, 9, 14, 16, 28 (any one).
- Merkel, G.* . . . . . Spring Song, op. 18, No. 1.
- Moszkowski, M.* . . Melodie, op. 18; Mazurka, op. 10, No. 3; Valse in D flat, op. 18, No. 5.
- Mozart* . . . . . Sonata No. 1 in C major, any two movements (Schirmer, vol. 65).
- Neidlinger, W. H.* Valse Petite.
- Nicode, F. L.* . . . . Lied der Sehnsucht, op. 28, No. 2.
- Pacher* . . . . . Swiss Folk Song, op. 69, No. 3.
- Paderewski.* . . . . Melodie, op. 8, No. 3.
- Paul, Emil.* . . . . Frühlingsreigen.
- Pierne, G.* . . . . . Cradle Song in A.
- Reinecke, C.* . . . . Sonatina, op. 47, No. 2.
- Rubenstein.* . . . . Polka Boheme. Romanza in E flat.
- Sartoris, A.* . . . . Among the Flowers, op. 279.
- Scarlatti, D.* . . . . Tempo di Ballo in D.
- Scharwenka, Ph.* . Four Bagatelles, No. 1, in G minor.
- Schubert.* . . . . . Impromptu in A flat, op. 142, No. 2.
- Schuett, E.* . . . . . Canzonetta in D major.
- Schumann* . . . . . Scenes from Childhood, op. 15, Nos. 4 and 5; Album for the Young, op. 68, Nos. 15 and 19; Nos. 23, 28 and 29; Nos. 31, 37 and 43.
- Spindler, F.* . . . . Thorn Rose, op. 349, No. 3.
- Thome.* . . . . . Berceuse in E flat.
- Vogt, Jean.* . . . . Valse de Salon, op. 109, No. 2.
- Wachs, P.* . . . . . Gondolinetta in A flat.
- Woycke, Eugen.* . . The Minstrel's Lament, op. 30, No. 1.

#### TECHNICAL TESTS, ETC., IN PRIMARY PIANO EXAMINATION.

Candidates must be prepared to play, with accurate fingering and from memory, the following technical exercises:—

**SCALES.**—All major and minor (harmonic and melodic) and chromatic scales, hands separately, four octaves, in quarter notes, metronome. ♩ = 120.

**CHORDS.**—Major and minor triads and chords in four note form, and dominant seventh chords, with inversions, hands separately, to be



played with up and down arm strokes. Broken chords, in the four note form, may be substituted for solid chords in the case of small hands.

OCTAVES.—Staccato octaves, in quarter notes, on any required scale, hands separately, ♯ = 100.

SIGHT PLAYING.—Candidates will be required to play at sight an easy piece.

EAR TEST.—Candidates will be required to sing without accompaniment a major scale, or, if unable to sing, will be expected to recognize errors, if any, in the scale as played by the examiner (the candidate not to see the keyboard). Candidates will also be tested in the intervals of perfect fifths and octaves.

### PRIMARY PIANO CERTIFICATE.

Successful candidates in the Primary Piano Examination will receive the Primary Piano Certificate of the University.

For particulars as to fees, see page 23.

Marks are awarded under the following heads in the Primary Piano Examination:—

Scales, chords, octaves.

Accurate observance of notation, rests, etc., and correctness of fingering.

Phrasing, accent, and interpretation.

Discretion in use of pedal.

Choice of time and steadiness of tempo.

Quality of touch.

Memory playing.

Sight playing.

Ear test.

### Junior Grade.

Candidates will prepare eight numbers selected from the following list of compositions, one of which must be by Bach, one by either Haydn, Mozart or Beethoven, and one by Chopin—the candidate to be allowed freedom of choice in the remaining five numbers:—

- Bach, J. S.* . . . . . Two Part Inventions, Nos. 1 and 2; 3 and 4; 5 and 8; 13 and 14. Preludio Con Fughetto, in E minor, No. 7 (Peters' edition, vol. 201). Preludio Con Fuga, in A minor, No. 8 (Peters' edition, vol. 201). Bourrée in A minor, from the French Suite.
- Beethoven.* . . . . . Rondo in C major, op 51, No. 1. Sonata, op. 49, No. 1. Six Easy Variations on an original Theme.
- Borowski.* . . . . . Scene de Ballet in G.
- Chaminade.* . . . . . Meditation in A flat, op. 76, No. 6.

- Chopin*. . . . . Valse in D flat major, op. 64, No. 1; Valse in C Sharp minor, op. 64, No. 2. Mazurka, op. 7, No. 2, and op. 7, No. 4; Mazurka, op. 33, No. 4. Nocturne, op. 9, No. 2, in E flat major. Nocturne, op. 32, No. 1, in B major. Nocturne, op. 37, No. 1, in G minor. Marche Funebre, op. 72, No. 2.
- Davidoff-Reinecke*. Romance Sans Paroles.
- Ducelle P.* . . . . . Arielle, op. 19.
- Elgar, E.* . . . . . Salut d'Amour, op. 12.
- Field* . . . . . Nocturne in B flat, No. 5.
- Godard* . . . . . Au Rouet. Pan Pastorale, op. 50.
- Grieg*. . . . . Berceuse, op. 38, No. 1. Walzer Capricen, op. 37, No. 2.
- Handel*. . . . . The Harmonious Blacksmith (from Suite V.).
- Haydn, J.* . . . . . Sonatas (Schirmer, vol. 295), No. 2 in E minor; No. 3, in E flat major (first movement); No. 5, in C major (first movement).
- Heller, Stephen.* . Tarantella, in A flat, major. Andantino and Capricetto, No. 6 (Halle).
- Henselt.* . . . . . Wiegenlied in G flat.
- Jensen* . . . . . Niemann, "Murmuring Zephyrs."
- Joseffy, R.* . . . . . Trois Valses, No. 1.
- Meyer-Helmund.* . Nocturne in G flat major. Arabesque in B major. Tanzweise.
- Lack, Th.* . . . . . Caprice in E flat, op. 30, No. 12.
- Liszt.* . . . . . Consolation, No. 3, in D flat major.
- Mendelssohn*. . . . . Songs without Words, No. 1; 18; 19; 20; 30.
- Merkel, G.* . . . . . Polonaise, in A, op. 28. Tarantella in A minor, op. 92.
- Mlynarski, E.* . . . Romance, op. 3.
- Moszkowski* . . . . . Musical Moments, op. 7, No. 1. Scherzino, op. 18, No. 2.
- Mozart.* . . . . . Sonatas (Schirmer's edition, vol. 65). No. 7 in F major (any two movements); No. 9 in A major (first movement); No. 10 in B flat major (first movement); No. 13 in D major (any two movements).
- Nollet.* . . . . . Elegie, op. 88.
- Paderewski.* . . . . . Menuet, op. 14, No. 1. Sarabande, op. 14, No. 2.
- Raff.* . . . . . Etude Melodique in A, op. 130, No. 2.
- Rameau* . . . . . Gavotte (Le Tambourin).
- Rubinstein.* . . . . . Melodie in F. Kleine Barcarolle in G minor.
- Saint-Saens.* . . . . First Mazurka, op. 21; Gavotte in C minor, op. 25.
- Sapelnikoff.* . . . . Petite Mazurka.
- Scarlatti-Tausig* . . Pastoral in E minor.

- Scharwenka* ..... Polish Dance, E flat minor.  
*Schubert* ..... Impromptu in G major, op. 90, No. 3. Impromptu  
in A flat, op. 90, No. 4.  
*Schumann* ..... Forest Scenes, op. 82, Nos. 1 and 2. Romanza, op.  
28, No. 4. Slumber Song, in E flat. Nacht-  
stuecke, op. 23, No. 4.  
*Schuett, E.* ..... Etude Mignonne. Reverie, op. 34, No. 5. Au  
Ruisseau.  
*Stavenhagen, B.* ... Caprice in B minor, op. 2, No. 3.  
*Thome* ..... La Sirene, op. 36.  
*Tschaikowski* ... Valse in A flat; Barearolle, "June," op. 37; Valse  
in F sharp minor, op. 40, No. 9.  
*Welsman, F. S.* ... Menuet in A.  
*Wollenhaupt* ..... Morceau en forme d'Etude, in A flat major.  
*Woycke, Eugen* ... Première Tarentelle, op. 56, No. 3.

### Technical Tests, Etc., in Junior Piano Examination.

Candidates must be prepared to play, with accurate fingering and from memory, the following technical tests:

SCALES.—All major, minor (harmonic and melodic) and chromatic scales, in quarter and eighth notes, compass four octaves:—

♩ = 132, hands separately.

♩ = 112, hands together.

Major scales staccato, hands separately, at a moderate tempo. Candidates will also prepare the scales in accents of groups of three and four, compass three and four octaves respectively.

CHORDS.—All major and minor common chords, in triad and four note forms, with inversions as may be required by examiner; dominant seventh and diminished seventh chords, with inversions, four note form, hands together, with up and down arm strokes.

ARPEGGIOS.—Arpeggios of common chord, compass four octaves, in all major and minor keys, with inversions, in quarter and eighth notes.

♩ = 132, hands separately.

OCTAVES.—Staccato and legato, in any required scale, hands together, at a moderate tempo.

EAR TEST.—Candidates will be prepared to sing a major scale, without accompaniment, and will be tested in the intervals of a perfect octave, a perfect fourth, and a perfect fifth. Candidates who may be unable to sing will be required to recognize the same intervals when played by the examiner (the candidate not to see the keyboard).

SIGHT READING.—Candidates will also be tested in sight playing.

## JUNIOR PIANO CERTIFICATE.

Successful candidates in the Junior Piano Examination will, upon passing the Junior Theory Examination, be awarded the Junior Piano Certificate of the University.

For particulars as to fees, see page 332

Marks are awarded under the following heads in the Junior Piano Examination:—

Scales, chords, arpeggios, octaves.

Accurate observance of notation, rests, etc., and correctness of fingering.

Phrasing, accent, and interpretation.

Discretion in use of pedal.

Quality of touch.

Choice of time and steadiness of tempo.

Memory playing.

Sight reading.

Ear test.

## Senior Grade.

Candidates will prepare eight numbers selected from the following list of compositions, one of which must be by Bach, one by Beethoven, one by Chopin, and one by Schumann—the candidate to be allowed freedom of choice in the remaining four numbers. One of the eight numbers must be learned by the candidate without the aid of a teacher:

*Arensky*. . . . . An der Quelle.

*Bach, J. S.* . . . . French Suites; any one complete. Inventions in Three Voices, Nos. 1 and 2; 4 and 6. Well Tempered Clavichord (48 Preludes and Fugues)—Prelude and Fugue in C major, vol. I.; Prelude and Fugue in C minor, vol. I.; Prelude and Fugue in D major, vol. I.; Prelude and Fugue in B flat major; vol. I.; Prelude and Fugue in G sharp minor, Vol. I.; Prelude and Fugue in F minor, Vol. II.; Prelude and Fugue in G minor, Vol. III.

*Bargiel*. . . . . Marche Fantastica, op. 31.

*Beethoven*. . . . . Sonatas—Op. 7, Allegro Molto, Op. 10, No. 1, any two movements; Op. 13, Grave, Allegro; Adagio, Rondo; Op. 14, No. 1, complete; Op. 26, any two movements; Andante Favori, in F.

*Bizet*. . . . . 1st Menuet l'Arlesienne in C minor.

*Brahms*. . . . . Walzer, op. 39, Nos. 1 to 8; 9 to 16.

*Brassin*. . . . . Nocturne in G flat major, op. 17.

*Chaminade*. . . . . Autumn, op. 35. Toccata, op. 39. Gigue, op. 43.



- Chopin*. . . . . Waltzes, op. 34, No. 1; op. 42. Polonaises, op. 26, No. 1; op. 40, No. 1; op. 71, No. 3. Nocturne, op. 9, No. 1; op. 15, No. 2; op. 55, No. 1. Etudes, op. 10, No. 5; op. 25, No. 7. Preludes, Nos. 1, 2, 3 and 4; 15 and 17. Impromptu, op. 29.
- Dupont, A.* . . . . . Gavotte in G minor, op. 37, No. 1.
- Dvorak, A.* . . . . . Slavonian Dance, op. 46, No. 8.
- Glinka-Balakirew.* The Lark.
- Godard.* . . . . . Renonveau, Etude in A flat. Guirlandes, op. 107, No. 11.
- Grieg*. . . . . Humoresken, op. 6 (any three numbers). Carnival, op. 19, No. 3. Romance, op. 51, for two pianos (either piano part).
- Gruenfeld, A.* . . . . . Gavotte, op. 32.
- Henselt.* . . . . . Si oiseau j'étais. Liebeslied and Romance Russe.
- Hollaender, A.* . . . . . Marche, op. 39, No. 1.
- Leschetizky.* . . . . . The Two Larks. Octave Intermezzo. Souvenir d'Ischl. Les Pecheurs.
- Liszt.* . . . . . Liebestraeume, (any one). Sonnet de Petrace, No. 123. Sposalizio. Spinning Song (Wagner). Marche de Rakoczy.
- Madowell.* . . . . . Witches Dance, op. 17, No. 2.
- Mendelssohn* . . . . . Songs Without Words, Nos. 5; 31 and 34. Etude in B flat minor. Andante and Rondo Capriccioso, op. 14. Scherzo in E major. Prelude and Fugue, op. 35, No. 2.
- Moszkowski.* . . . . . Etincelles, op. 6. Waltz, A flat major. Air de Ballet, op. 36, No. 5. Moment Musical, op. 7, No. 2. En Autumne, op. 35, No. 4. Guitarre, op. 45, No. 2.
- Mozart.* . . . . . Fantasia and Sonata, in C, (either movement).
- Nevin.* . . . . . Shepherds All, Lullaby; Shepherd's Tale, Tourna-ment.
- Paderewski.* . . . . . Legende, op. 16, No. 1. Melodie, op. 16, No. 2.
- Rachmaninoff.* . . . . . Prelude, C sharp minor.
- Raff.* . . . . . Rigaudon. Valse Favorite, in D flat, op. 118. Des Abends, La Fileuse (both). Polka de la Reine. Impromptu Valse, op. 94.
- Reinhold.* . . . . . Impromptu in C sharp minor, op. 23, No. 3.
- Rheinberger.* . . . . . Jagd Scene.
- Rubinstein, A.* . . . . . Kammenoi Ostrow, op. 10, No. 22. Fifth Barcarolle in A minor. Nocturne in F minor.
- Scarlatti-Tausig.* . . . . . Pastorale and Capriccio (Peters).
- Schubert.* . . . . . Impromptu in E flat, op. 90, No. 2. Impromptu in B flat, op. 142, No. 3.

- Schubert-Liszt* ... "Hark! Hark the Lark."  
*Schumann*.....Fantasiestücke, op. 12, Nos. 2; 3 and 4; 7; 8. Arabeske, op. 18. Novelletten, op. 21, Nos. 1; 5; 7. Aufschwung. Traumes Wirren.  
*Schytte, L.*.....Wald Elfen, op. 70, No. 5.  
*Sgambati* ..... Nocturne in B minor.  
*Stojowski* ..... Romantische Stücke, op. 25 (any two numbers).  
*Tausig, C.* ..... L'Esperance.  
*Tschaikowski.* ... Romance, op. 5.  
*Vogrich* ..... Staccato Caprice.  
*Wagner-Bendel.* ..Walthers' Preislied.  
*Wagner-Liszt* .... Pilgrim's Chorus from Tannhäuser. Elsa's Bridal Procession.  
*Weber.* ..... Polacca in E. Invitation to the Waltz.  
*Wieniawski* ..... Valse de Concert, D flat, op. 3.  
*Wollenhaupt, H. A* Le Ruisseau, Valse Etude, in B flat, op. 25.

#### TECHNICAL TESTS, ETC., IN SENIOR PIANO EXAMINATION.

Candidates must be prepared to play, with accurate fingering and from memory, the following technical tests:—

**SCALES.**—All major, minor and chromatic scales in similar motion, legato, and staccato, compass four octaves, in quarter, eighth and sixteenth notes. Legato in quarter, eighth and sixteenth notes; staccato in quarter and eighth notes. Major and harmonic minor scales in similar motion separated by a third, a sixth, and a tenth, and in contrary motion beginning on the same note or octave, in quarter, eighth and sixteenth notes:—

•| = 132, hands separately.

•| = 112, hands together.

Candidates will also prepare the scales with accents in groups of —, four, six, eight and nine.

**CHORDS.**—All major and minor common chords with inversions in triad and four note forms; dominant seventh and diminished seventh chords, four note forms, with inversions, both solid and broken—up and down arm strokes as may be required by examiner.

**ARPEGGIOS.**—Arpeggios formed of all the major and minor common chords, with inversions, compass four octaves, hands separately and together; all chords of the dominant and diminished seventh, hands separately and together, in quarters, eighths, and sixteenth notes.

•| = 120, hands separately.

•| = 100, hands together.

**OCTAVES.**—All major, minor and chromatic scales, staccato and legato, hands separately and together.

Wrist staccato, in quarter and eighth notes.

Arm strokes and legato, in quarter notes, ♯ = 120.

**EAR TEST.**—Candidates must be prepared to sing, without accompaniment, the major and minor scales (harmonic and melodic), and will also be tested in any major and minor intervals within the octave. Candidates who may be unable to sing will require to distinguish the scales and intervals included in this test, when played on the piano by the examiner (the candidate not to see the keyboard).

**SIGHT READING.**—Candidates will also be tested in sight playing.

### SENIOR PIANO CERTIFICATE.

Successful candidates in the Senior Piano Examination, who have passed the Intermediate Theory Examination, will be awarded the Senior Piano Certificate of the University.

For particulars as to fees, see page 30.

Marks will be awarded under the following heads in the Senior Piano Examinations:—

Scales, chords, arpeggios, octaves.

Accurate observance of notation, rests, etc., and correctness of fingering.

Phrasing, accent, and interpretation.

Discretion in use of pedal.

Quality of touch and variety and gradation of tone.

Choice of time and steadiness of tempo.

Musicianship as displayed in general work and in self studied number.

Memory playing.

Sight reading.

Ear test.

## Singing.

### Junior Grade.

Before a certificate is granted in this grade, candidates must pass the Junior Examination in the Theory of Music.

For particulars concerning fees, see p. —.

Candidates must be prepared:—

(1) To sing any major or harmonic minor scale at various degrees of speed, without accompaniment.

(2) To sing any major or perfect interval above a given note.

(3) To sing, at sight, an easy melody, without accompaniment.

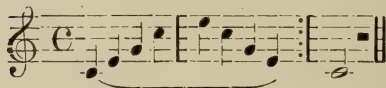
(4) To sing three studies of different character, one of which must be in a minor key, selected from Nos. 1-20 of Concone's "Fifty Singing Lessons" for soprano (or tenor), and from Nos. 1-18 of Concone's "Forty Lessons for contralto (or bass)."

(5) To sing four songs, two from each group, marked (a) and (b).

(6) To sing arpeggios of the major and minor common chord, thus:



and



Marks will be awarded under the following heads:—

- (1) Voice production.
- (2) Accuracy as to tempo in the selected songs and studies.
- (3) Management and control of the breath.
- (4) Time and rhythm.
- (5) Correctness of intonation.
- (6) Precision and neatness in attacking and leaving notes.
- (7) Variety of tone, phrasing and expression.
- (8) Posture and facial expression.
- (9) Flexibility.
- (10) Distinctness and correctness of pronunciation.
- (11) Sight singing.

#### FOR ALL CANDIDATES IN SINGING.

Candidates must bring their own accompanists. Teachers may act as such.

All accompaniments should be played as written.

Candidates have the option of singing the words of their solos either in the original language or in the English translation of the same.

All scales and studies should be vocalized to the vowel A (pronounced as in father), or sung to sol-fa syllables.

#### Senior Grade.

Before a certificate is granted in this grade, candidates must pass the Intermediate Examination in the Theory of Music.

For particulars as to fees, see page 332.

Candidates must be prepared:—

(1) To sing any major, minor (melodic or harmonic) or chromatic scale, at various degrees of speed, and without accompaniment.



(2) To sing any diatonic or chromatic interval within the octave of a given note.

(3) To sing, at sight, an unaccompanied melody containing simple modulations.

(4) To sing two recitatives.

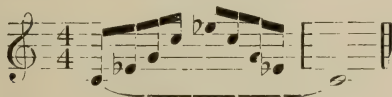
(5) To sing four studies of different character, two of which must be in a minor key, selected from Nos. 18-50 of Concone's "Fifty Singing Lessons" for soprano (or tenor), and from 16-40 of Concone's "Forty Lessons" for contralto (or bass).

(6) To sing six songs, three from each group marked (a) and (b).

(7) To sing arpeggios of the common chord and dominant seventh, thus:—

(To be transposed to suit the compass of the voice).

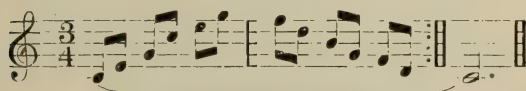
(a)



(b)



(c)



Marks will be awarded under the following heads:—

- (1) Voice production.
- (2) Accuracy as to tempo in the selected songs and studies.
- (3) Management and control of the breath.
- (4) Time and rhythm.
- (5) Correctness of intonation.
- (6) Precision and neatness in attacking and leaving notes.
- (7) Variety of tone, phrasing and expression.
- (8) Posture and facial **expression**.
- (9) Flexibility.
- (10) Distinctness and correctness or pronunciation.
- (11) Sight singing.
- (12) Recitative.

## Junior Grade.

## HIGH VOICE.

## List (a) —

- Bach, F. W.* .... "Each Blade is Wet." (Kein Halmlein Wächst.)  
*Bennett, Sterndale* "Maydew."  
*Grieg*..... "The Poet's last Song." (Des Dichters letztes Lied.)  
*Grieg*..... "Margaret's Cradle Song." - (Margarethens Wiegen-  
 lied.)  
*Handel.* ..... "How beautiful are the feet of them that preach the  
 gospel of peace."  
*Haydn.* ..... "My mother bids me bind my hair."  
*Mendelssohn.* ... "Minnelied." (op. 47.)  
*Mendelssohn.* ... "The Garland."  
*Schubert.* ..... "Hedge-roses." (Haiden Röslein.)  
*Schumann.* ..... "To the Sunshine." (An der Sonnenschien.)

## List (b) —

- Bishop.* ..... "Love has Eyes."  
*Braham.* ..... "The Anchor's Weighed."  
*Buck.* ..... "When the Heart is Young."  
*Chaminade.* ..... "Tis Snowing." (Il neige.)  
*Clay.* ..... "I'll Sing Thee Songs of Araby."  
*Woman, B.* ..... "In Summer-time."  
*Horrocks.* ..... "The Bird and the Rose."  
*Mattei.* ..... "Dear Heart."  
*Pinsuti.* ..... "Welcome Pretty Primrose."  
*Randegger, A.* ... "Autumn Days."  
*Tours.* ..... "Stars of the Summer Night."  
*Tosti.* ..... "Beauty's Eyes."

## LOW VOICE.

## List (a) —

- Beethoven.* ..... "Nature's Adoration." (Die ehre Gottes aus der  
 Natur.)  
*Bennett.* ..... "O Lord Thou hast searched me out." (Woman of  
 Samaria.)  
*Grieg*..... "The Old Song." (Das Alte Lied.)  
*Handel.* ..... "Return, O God of Hosts." (Samson.)  
*MacKenzie.* ..... "Spring Song."  
*Molique.* ..... "Could I through azure fly."  
*Rubenstein.* ..... "The Nightingale and the Rose."  
*Schubert.* ..... "Whither?" (Wohin?)  
*Schumann.* ..... "My Heart's in the Highlands." (Hochländers  
 Abschied.)







- Mendelssohn.* .... "O, God, Have Mercy." (St. Paul.)  
*Mozart.* ..... "If You Would Dance." (Se vuol ballare.) Figaro.)  
*Schubert.* ..... "Resting Place." (Aufenthalt.)  
*Schumann.* ..... "Wanderer's Song." (Wanderlied.)  
*Loewe.* ..... "Henry the Fowler."

List (b)—

- Benedict.* ..... "Rage, Thou Angry Storm."  
*Brainard.* ..... "If I were king."  
*Elgar.* ..... "Like to the Darkest Rose."  
*Elliott.* ..... "Hybrias, the Cretan."  
*Hatton.* ..... "Homeward Bound."  
*Korbay.* ..... "There's on Earth." Hungarian Song.  
*Somervell.* ..... "Birds in the High Hall Garden."  
*Shield.* ..... "The Wolf."

### RECITATIVE.

#### SOPRANO.

- Handel.* ..... "O, Let Eternal Honors Crown His Name."  
 (Judas Maccabaeus).  
*Handel.* ..... "And the Angels Said Unto Them." (Messiah.)

#### CONTRALTO.

- Handel.* ..... "Twill be a Painful Separation." (Jephtha.)  
*Mendelssohn.* .... "Now Cherith's Brook is Dried Up." (Elijah.)

#### TENOR.

- Handel.* ..... "How Vain is Man Who Boasts in Fight."  
 (Judas Maccabaeus).  
*Mendelssohn.* .... "Ye People, Rend Your Hearts." (Elijah.)

#### BARITONE AND BASS.

- Handel.* ..... "I Feel the Deity Within." (Judas Maccabaeus.)  
*Haydn.* ..... "At Last the Bounteous Sun." (The Seasons.)

### Organ.

#### Junior Grade.

Candidates must be prepared to play eight compositions selected from the following list. One number at least must be chosen from the list of pieces by Bach, the candidate being permitted freedom of choice in the remaining seven pieces. One number must be prepared without teacher's assistance:—

- Bach, J. S.* ..... Prelude and Fugue in C major, (Vol. 2, No. 1 Peters).  
 Eight Short Preludes and Fugues, any one, (Vol. 8 Peters). Prelude and Fugue in E minor, (Vol. 3, No. 10 Peters). Fantasia in C minor, (Vol. 4, No. 12 Peters). Prelude in A minor, Vol. 2, No. 13 (Peters). Pastorale in F; (Vol. 8 Peters).
- Calkin, J. Baptiste* Andante con moto, op. 101. Festival March, op. 80.
- Dubois, Th.* ..... Marche du Procession, in D.
- d'Evry.* ..... Meditation, (Lemare's Recital Series, No. 13).
- Deshayes.* ..... Prelude in D (Schirmer).
- Guilmant.* ..... Canzona in A minor. Elevation in A flat. Prayer in E flat. Postlude in F (The Practical Organist).
- Handel—Spark.* .. Bourrée in D major (Ashdown & Parry).
- Lemare.* ..... Elegy in G. Pastorale in E.
- Lucas.* ..... Meditation, in A flat, op. 27 (Schott).
- Merkel.* ..... Three Andantes, op. 144 (any one). Prelude in E flat, op. 100, No. 1. Postludium in D.
- Rea, W.* ..... Larghetto in E flat.
- Rheinberger.* ..... Trio in C, No. 2, from Ten Trios, op. 49.
- Rinck*..... Postlude in F major, Organ School, Bk. V., No. 3.
- Saint-Saens.* ..... Communion in E, op. 13.
- Salome.* ..... Cantilene in A minor. Offertoire in D flat.
- Smart.* ..... Andante Grazioso in G. Moderato in D. Six Short and Easy Pieces (any one), Novello.
- Tours—Calkin.* .. Four Sacred Melodies (any one), Novello.
- West, J. E.* ..... Prelude in A, op. 26 (Novello).
- Wachs.* ..... Hosanna.
- Wheeldon.* ..... Cantilene (Lemare Recital Series).
- Wolstenholme.* ... Andantino (Lemare Recital Series). Canzona (Lemare Recital Series).

Candidates must also be prepared to play at sight a simple chant or hymn tune as may be required by the examiner; to transpose at sight a simple chant; play at sight a simple organ composition, and to answer questions on pitch and character of stops, and registration, etc. There will also be an ear test on the major, minor and perfect intervals within the octave.

#### JUNIOR ORGAN CERTIFICATE.

Successful candidates in the Junior Organ Examination, who have passed the Junior Theory Examination, will receive the Junior Organ Certificate of the University.

Marks will be awarded under the following heads in the Junior Organ Examination:—

Accuracy as to notes, rests, etc.

Independence of action between hands and feet,

Touch—Legato, clear part playing, etc.  
 Registration and management of stops.  
 Musicianship in self studied piece and general work.  
 Phrasing.  
 Strictness of time and choice of tempo.  
 Questions on stops, etc.  
 Hymn playing and sight reading.  
 Transposition.  
 Ear test.  
 For particulars as to fees, see page 30.

### Senior Grade.

Candidates must be prepared to play eight compositions selected from the following list. One number, at least, must be chosen from the list of pieces by Bach, and one must be by Mendelssohn—the candidate being allowed freedom of choice in the six remaining pieces. One number must be prepared without teacher's assistance.

- Bach, J. S.* .....Prelude and Fugue in G major, (Vol. IV., No. 2, Peters). Prelude and Fugue in C minor, (Vol. II., No. 6, Peters). Fugue in E flat (St. Anne's). Prelude and Fugue in A minor, (Vol. III., No. 1, Peters). Fugue in C minor, (Vol. IV., No. 6, Peters). Fugue in G minor, (Vol. IV., No. 7, Peters).
- Barnett.* .....Offertoire in G minor (Novello).
- Buck, Dudley.* ...Sunshine and Shadow, from Four Tone Pictures.  
                     Holy Night, from Four Tone Pictures.
- Dubois.* .....Toccata in G. Fiat Lux.
- Garratt.* .....Andante Moderato in A major.
- Gigout.* .....Rhapsodie on Christmas Hymns.
- Grison.* .....Cantabile in G major (Schirmer).
- Guilmant.* .....Torchlight March. Grand Choeur, in D major.  
                     Marche Religieuse in F. Allegretto in B.
- Hesse.* .....Prelude and Fugue, in D minor, op. 66 (Augener).  
                     Variations on an original theme, in A flat.
- Hollins.* .....Andante in D, Lemare Recital Series.
- Lemmens.* .....Fantasia in A minor (Schirmer). Finale in D (Ecole d'Orgue). Allegretto in B flat.
- Mendelssohn.* ....Prelude and Fugue, No. 2. Sonata, No. 5. Air and Variations in D. (op. post).
- Merkel.* .....Adagio in E, op. 35. Fugue on the name B. A. C. H., op. 40.
- Piutti.* .....Sechs Stücke, op. 11 (any one).

*Rheinberger*. . . . . First Sonata, in C minor.

*Saint-Saens*. . . . . Elevation in E. Benediction Nuptiale.

*West*. . . . . Andante Religioso in B flat (Novello).

*Wolstenholme*. . . . . Cantilene in A flat. Question and Answer. Canzona in B flat.

Candidates must be prepared to play at sight, and with appropriate registration, several verses of a hymn tune or chorale; to play at sight an organ composition; to transpose a hymn tune or choral into any key required within the compass of a third, above or below; to answer questions on organ construction and registration, etc., and to pass an ear test on any interval within the octave.

#### SENIOR ORGAN CERTIFICATE.

Successful candidates in the Senior Organ Examination, who have passed the Intermediate Examination in Theory, will receive the Senior Organ Certificate of the University.

Marks will be awarded under the following heads in the Senior Organ Examination:—

Accuracy as to notes, rests, etc.

Independence of action between hands and feet.

Touch—Legato, clear part playing, etc.

Choice and management of stops.

Phrasing.

Strictness of time and choice of tempo.

Musicianship in general requirements and self studied piece.

Sight playing.

Hymn playing.

Transposition.

Ear test.

Questions on organ, stops, etc.

For particulars as to fees, see page 332.

### Violin.

#### Primary Grade.

NOTE.—Candidates must bring their own accompanists, their teachers being permitted to act as such. Candidates are also requested to have their strings, pegs, and bows in perfect condition.

Candidates will be required to prepare six studies, and four pieces chosen from the following list, one piece being selected from each group:—

#### STUDIES.

*Dont*. . . . . Op. 38, Twenty Exercises.



PIECES.

Group No. 1:—

*Dancla.* ..... Six airs varies, op. 89 (any one).

Group No. 2:—

*Handel.* ..... Bourrée (Classic Pieces, Peters).

*Mozart.* ..... Menuetto (Classic Pieces, Peters).

*Bach.* ..... Loure (Classic Pieces, Peters).

*Gabriel Maria.* ... La Cinquantaine.

*Gillet.* ..... Passepied.

*Boccherini.* ..... Menuetto.

*Gluck.* ..... Gavotte from Don Juan.

Group No. 3:—

Corelli Album (Litolf), 1 Sarabanda, 1 Gavotta, and 1 Giga (these three being regarded as one number).

Group No. 4:—

*Gluck.* ..... Andante (Classic Pieces, Peters).

*Handel.* ..... Largo (Classic Pieces, Peters).

*Bach.* ..... Sarabanda (Classic Pieces, Peters).

*Tartini.* ..... Adagio (Classic Pieces, Peters).

*Schubert.* ..... Preghiera (Classic Pieces, Peters).

*Hummel.* ..... Romance (Classic Pieces, Peters).

*Haydn.* ..... Serenade.

*Braga.* ..... Angel's Serenade.

*Mendelssohn.* .... Spring Song.

*Hauser.* ..... Cradle Song.

*Reber.* ..... Berceuse.

*Schumann.* ..... Träumerei.

*Gounod.* ..... Serenade.

*Mascagni.* ..... Intermezzo.

*Thomé.* ..... Simple Aveu.

*Renard.* ..... Berceuse.

N.B.—Candidates are advised to memorize as much as possible of their work.

TECHNICAL TESTS, ETC.

Candidates must be prepared to play (from memory) all major and melodic and harmonic minor scales through two octaves.

SIGHT READING.

Candidates will be required to play at sight a simple piece in the first three positions.

PRIMARY VIOLIN CERTIFICATE.

Successful candidates in the Primary Violin Examination will be awarded the Primary Violin Certificate of the University.

For particulars as to fees, see page 30.

Marks will be awarded under the following heads in the Primary Violin Examination:—

Purity of intonation.

Tone quality and tone volume.

Accuracy of notation and in bow and finger marks.

Independence of fingers, evenness of speed.

Portamento and graceful changes of position.

Rhythm, phrasing, and shading.

Choice of tempo, style and conception.

Emotion, brilliancy, breadth (natural qualifications).

Neatness of bowing and wrist movement.

Left-hand work and position of violin.

Sight reading.

Memory.

### Junior Grade.

NOTE.—Candidates must bring their own accompanist, their teachers being permitted to act as such. Candidates are also requested to have their strings, pegs and bow in perfect condition. Candidates will be required to prepare six studies, and six pieces chosen from the following list, one piece being selected from each group.

#### STUDIES.

*Kreutzer*..... 42 studies (any, except the studies in double-stopping).

#### PIECES.

Group No. 1:—

*De Beriot*. .... Scene de Ballet (Bolero, or Tempo di Valse).

*De Beriot*. .... 9th Concerto (1st or 3rd movement).

*Rode*. .... 7th Concerto (1st or 3rd movement).

*Rode*. .... Air varie in G (David).

*Bach*. .... Concerto in A minor (1st or 3rd movement).

*Bach*. .... Concerto in E (1st or 3rd movement).

Group No. 2:—

*Vieuxtemps*. .... Reverie.

*Ernst*. .... Elegie.

*Spohr*. .... Barcarole.

*Hollaender*. .... Spinning Song.

*Beethoven*. .... Romance in F.

*Bohm*. .... Cavatina.

Group No. 3:—

*Wieniawski*. .... Mazurkas (any one).

Group No. 4:—

|                  |                                 |
|------------------|---------------------------------|
| <i>Raff.</i>     | .....Cavatina.                  |
| <i>Bach.</i>     | .....Air on G string.           |
| <i>Jensen.</i>   | .....Träumerei.                 |
| <i>Godard.</i>   | .....Berceuse from Jocelin.     |
| <i>Wagner.</i>   | .....Dreams.                    |
| <i>Simon.</i>    | .....Berceuse.                  |
| <i>Sitt.</i>     | .....Barcarole.                 |
| <i>Massenet.</i> | .....Meditation.                |
| <i>Schumann.</i> | .....Evening Song (Joachim).    |
| <i>Field.</i>    | .....Nocturne in E flat.        |
| <i>Mozart.</i>   | .....Larghetto.                 |
| <i>Ries.</i>     | .....Barcarole from Suite in G. |

Group No. 5:—

|                 |                           |
|-----------------|---------------------------|
| <i>Handel.</i>  | .....Sonata in A (David). |
| <i>Vivaldi.</i> | .....Sonata (David).      |
| <i>Tartini.</i> | .....Sonata in G minor.   |

Group No. 6:—

|                  |                             |
|------------------|-----------------------------|
| <i>Schubert.</i> | .....3 Sonatinas (any one). |
| <i>Mozart.</i>   | .....Sonatas (any one).     |
| <i>Haydn.</i>    | .....Sonatas (any one).     |

N.B.—Candidates are advised to memorize as much as possible of their work.

TECHNICAL TEST, ETC.

Candidates must be prepared to play from memory all major, melodic and harmonic minor scales, and also broken chords through three octaves.

SIGHT READING.

Candidates will be required to play at sight a piece of moderate difficulty in the first three positions.

JUNIOR VIOLIN CERTIFICATE.

Successful candidates in the junior violin examination, who have passed the Junior Theory Examination, will be awarded the junior violin certificate of the University.

Marks will be awarded under the following heads in the junior violin examination:—

Purity of intonation.

Tone quality and tone volume.

Accuracy of notation and in bow and finger marks.

Independence of fingers, evenness of speed.

Portamento and tasteful changes of position.

Rhythm, phrasing, and shading.

Choice of tempo, style and conception.

Emotion, brilliancy, breadth (natural qualifications).

Neatness of bowing and wrist movement.

Left-hand work and position of violin.

Sight reading.

Memory.

For particulars as to fees, see page 332.

### Senior Grade.

NOTE.—Candidates must bring their own accompanist, their teachers being permitted to act as such.

Candidates will be required to prepare six studies and seven pieces chosen from the following list, one piece being selected from each group:

#### STUDIES.

*Kreutzer*. . . . . 42 studies (the exercises in Double Stopping).

*Rode*. . . . . 24 Caprices.

#### PIECES.

##### Group No. 1:—

*De Beriot*. . . . . 7th Concerto (1st or 3rd movement).

*Mozart*. . . . . Concertos (1st or 3rd movement).

*Viotti*. . . . . 22nd Concerto (1st or 3rd movement).

*Kreutzer*. . . . . 19th Concerto (1st or 3rd movement).

##### Group No. 2:—

*Wieniawski*. . . . . Legende.

*Ries*. . . . . Adagio from Suite in G.

*Beethoven*. . . . . Romance in G.

*Svendsen*. . . . . Romance.

*Bruch*. . . . . Kol Nidrey.

*Godard*. . . . . Adagio from Concerto in A minor.

*Godard*. . . . . Adagio pathetic.

##### Group No. 3:—

*Spohr*. . . . . Adagio from 9th Concerto.

*Spohr*. . . . . Adagio from 11th Concerto.

*Viotti*. . . . . Adagio from 22nd Concerto. (David.)

*Mozart*. . . . . Adagio from Concerto in A. (David.)

##### Group No. 4:—

*Wieniawski*. . . . . Valse caprice.

*Hubay*. . . . . Heira Kati.

*Alard*. . . . . Brindisi Waltz.

*Vieuxtemps*. . . . . Fantasie caprice.



*Vieuxtemps*. . . . . Fantasia appassionata.

*Vieuxtemps*. . . . . Ballade e Polonaise.

*Leonard*. . . . . Souvenir de Haydn.

*Leonard*. . . . . Souvenir de Bader.

*Leonard*. . . . . Fantasia Militaire.

Group No. 5:—

*Ries*. . . . . Suite in G, (moto perpetuo).

*Hauser*. . . . . Hungarian dances.

*Leclair*. . . . . Tambourine.

*Schubert*. . . . . L'abeille.

Group No. 6:—

*Rust*. . . . . Sonata in D minor.

*Leclair*. . . . . Sonatas. (David.)

*Nardini*. . . . . Sonata. (David.)

*Bach*. . . . . Sonatas for Violin Solo Nos. 2 and 6 (either).

Group No. 7:—

*Beethoven*. . . . . Sonatas Nos. 1, 2, 4, 5 (any one).

*Gade*. . . . . Sonatas (any one).

TECHNICAL TESTS, ETC.

Candidates must be prepared to play from memory the major scale of G, A flat, A, B flat, B, C, D flat and D in octaves, thirds and sixths through two octaves; also exercises from

*Casorti*. . . . . Technic of the Bow.

SIGHT READING.

Candidates will be required to play at sight one slow and one quick movement of very moderate difficulty.

SENIOR VIOLIN CERTIFICATE.

Successful candidates in the Senior Violin Examination, who have passed the Intermediate Theory Examination, will be awarded the Senior Violin Certificate of the University.

Marks will be awarded under the following heads in the Senior Violin Examination:—

Purity of intonation.

Tone quality and tone volume.

Accuracy of notation and in bow and finger marks.

Independence of fingers, evenness of speed.

Portamento and tasteful change of position.

Rhythm, phrasing, and shading.

Choice of tempo, style and conception.

Emotion, brilliancy, breadth (natural qualifications).

Excellence of bowing—legato, martellato, staccato, spiccato, ricochet.  
 Excellence of left hand work—trill, harmonics, double stopping and chords.

Sight reading.

Memory.

For particulars as to fees, see page 30. }

### Table of Fees for Local Examinations.

NOTE.—Candidates' names (in the proper form of application) and fees must be in the hands of the Registrar of the University on or before May 9th, 1904. No applications will be received after this date. Candidates, who, *after paying the required fee* do not present themselves may, upon presenting a valid excuse, be allowed the privilege of entering the *succeeding* examination on payment of half the regular fee.

The fee for certificates will be returned to unsuccessful candidates.

#### Theory:—

|                                 |        |
|---------------------------------|--------|
| Junior .....                    | \$2 00 |
| Intermediate .....              | 3 00   |
| Senior .....                    | 4 00   |
| Certificate in each grade ..... | 1 00   |

#### Pianoforte and Violin:—

|                                 |      |
|---------------------------------|------|
| Primary .....                   | 3 00 |
| Junior .....                    | 4 00 |
| Senior .....                    | 5 00 |
| Certificate in each grade ..... | 1 00 |

#### Singing and Organ:—

|                                 |      |
|---------------------------------|------|
| Junior .....                    | 4 00 |
| Senior .....                    | 5 00 |
| Certificate in each grade ..... | 1 00 |

A duplicate of the marks awarded to a candidate in a practical subject by the examiner will be issued on payment of a fee of twenty-five cents.

## Higher Examinations

### For the Diploma of Licentiate in Music, University of Toronto, (L. Mus., Tor.).

The Higher Examinations of the University are of a professional standard, and are also regarded by the University as a qualification for teaching.

The examinations for the diploma of Licentiate in Music, University of Toronto, will be held only at the University annually in June, and will be presided over by a specially appointed Board of Examiners.

Applications must be forwarded to the Registrar of the University on or before May 9th. The fees for examination and diploma must, in all cases, accompany the candidate's application for examination. The fee for diploma will be returned to unsuccessful candidates. The names and addresses of candidates should be written on the proper form of application, which may be obtained through the Registrar of the University.

The examination for the diploma of Licentiate in Music shall be at least forty minutes in length.

Candidates who fail to pass the examination will be allowed to present themselves at a succeeding examination on payment of half the regular fee.

## Pianoforte.

NOTE.—Before a diploma is granted all candidates must pass the University *Junior* and *Senior* Examinations (with honours) in the theory of music.

Candidates must be prepared to play ten numbers chosen from the following list of compositions. One number must be by Bach, one by Beethoven, one by Chopin, one by Schumann, and one by Liszt, the candidate being permitted freedom of choice in the remaining five numbers. One number must be prepared without assistance.

*Arensky*. . . . . Third Suite, (first piano part).

*Bach, J. S.* . . . . Italian Concerto. Chromatic Fantasia and Fugue.

*Bach-Tausig*. . . . Toccata and Fugue in D minor.

*Beethoven*. . . . . Sonata, op. 27, No. 2. Sonata, op. 31, No. 2.  
Sonata, op. 53. Sonata, op. 57. Sonata, op. 101.  
Thirty-three variations, op. 120. Concerto, No.  
(3 Complete, first movement with Reinecke  
Cadenza).

*Brahms*. . . . . Drei Intermezzi, op. 117. Rhapsodie, op. 79, No. 2.

*Chopin*. . . . . Andante Spianato and Polonaise, op. 22. Ballade in  
A flat, op. 47 and Berceuse, op. 57. Ballade in G

minor, op. 23. Impromptu, op. 36, and Fantasie Impromptu, op. 66. Etudes, op. 10, Nos. 6 and 12. Etudes, op. 25, Nos. 1, 2, 3 and 9. Scherzo, op. 31. Concerto, op. 11, in E minor, Allegro Maestoso. Concerto, op. 11, in E minor, 2nd and 3rd movements.

*Dvorak, A.* . . . . . Poetische Stimmungsbilder, op. 85.

*Grieg* . . . . . Ballade, op. 24. Concerto, op. 16.

*Liszt.* . . . . . Concerto in A major. Concerto in E flat. Tarantella, Venezia e Napoli. Rhapsodies Hongroises, No. 2. Tannhäuser March (Wagner). Isolde's Liebestod, and Cantique d'Amour. Concert Etude in D flat, and Auf Flügeln des Gesanges (Mendelssohn).

*Mendelssohn.* . . . . Variations Serieuses, op. 54. Andante and Variations, op. 82. Concerto in G minor. Three Caprices, op. 33 (any two).

*Moszkowski.* . . . . Valse in A major, op. 17, No. 3; and Gondoliera, op. 11. Valse in E major, op. 34, No. 1. Caprice Espagnol, op. 37. Concerto in E major (first movement).

*Mozart* . . . . . Concerto in D minor, complete, with Reinecke Cadenza to last movement.

*Paganini-Liszt.* . . . La Campanella.

*Raff.* . . . . . Suite in E minor, op. 72.

*Rubinstein.* . . . . Staccato Etude. Concerto in D minor (any two movements).

*Saint-Saens.* . . . . Caprice in G (Alceste de Gluck). Concerto in G minor (any two movements).

*Schubert.* . . . . . Fantasie, op. 15. Wanderer Fantasie.

*Schubert-Tausig.* . Marche Militaire.

*Schumann.* . . . . Papillons, op. 2. Carnival, op. 9. Faschingschwank aus Wien. Toccata, op. 7.

*Tschaikowski.* . . . Concerto in B flat minor (first movement; second and third movements).

*Weber.* . . . . . Concertstueck, op. 70.

#### TECHNICAL TESTS, ETC., IN HIGHER PIANO EXAMINATION.

Candidates must be prepared to play with accurate fingering, and from memory, the following tests:—

**SCALES.**—All major, minor and chromatic scales, legato and staccato, similar motion, with hands together. Major and minor scales, similar motion, separated, a third, a sixth and a tenth, compass four octaves. Major and harmonic, minor scales in contrary motion. Legato scales to be played, with and without accents, in quarter, eighth and sixteenth notes, staccato scales in quarter and eighth notes only.



♩ = 176, hands separately.

♩ = 138, hands together.

Chromatic scales, ♩ = 168, hands separately.

♩ = 126, hands together.

All major and harmonic minor scales in double thirds and double sixths, in quarter and eighth notes, hands together.

♩ = 108.

CHORDS.—All major and minor common chords, with inversions, four note form; all dominant and diminished seventh chords, with inversions, solid and broken, at a rapid tempo, arm strokes, etc.

ARPEGGIOS.—Arpeggios formed of all the major and minor common chords, the dominant seventh and diminished seventh chords with inversions, through a compass of four octaves with hands separately, and with hands together, one octave apart.

♩ = 160, hands separately.

♩ = 138, hands together.

OCTAVES.—Major, minor and chromatic scales, in similar motion. The arm strokes and legato, in quarter and eighth notes; wrist staccato in quarter, eighth and sixteenth notes.

♩ = 84.

TRANSPOSITION.—Candidates will be required to transpose at sight, to any given key, a simple hymn tune.

SIGHT READING.—Candidates will be tested in sight playing.

PLAYING FROM A FIGURED BASS.—Candidates will be required to play at sight from a figured bass, adding three upper parts.

EAR TEST.—Candidates must be prepared to sing the major and minor scales, and any interval within the compass of the octave. If unable to sing, the candidate must recognize the intervals when played on the piano by the examiner (the keyboard not to be seen by candidate).

SIGHT SINGING.—Candidates will be required to sing at sight a melody, major or minor, with various modulations and chromatic intervals.

Marks will be awarded under the following heads:—

Scales, chords, arpeggios, octaves.

Accurate observance of notation, rests, etc., and correctness of fingering.

Phrasing, accent, and interpretation.

Discretion in use of pedal.

Quality of touch, and variety and gradation of tone.

Choice of time and steadiness of tempo.

Musicianship as displayed in self-prepared number and in the examination work generally.

Memory playing.

Sight reading.

Sight singing.

Playing from a figured bass.

Transposition.

For particulars as to fees, see p. 42.

### Singing.

Before a diploma is granted candidates must pass the Junior and Senior Examinations (Honours Standard) in the Theory of Music.

Candidates must be prepared, (1) To sing any major, minor (melodic and harmonic) and chromatic scale; also scale passages from a given keynote, thus:—

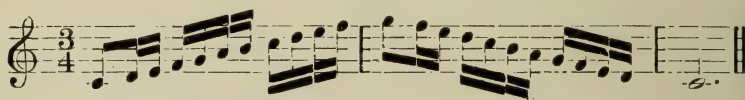
(a)



(To be transposed to suit the compass of the voice).

and descending in the same way.

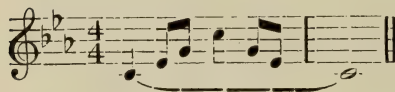
(b)



(To be transposed to suit the compass of the voice).

(2) To sing arpeggios of the major and minor common chord and their inversions, and of the dominant and diminished sevenths from a given note. See the following examples:—

(d)



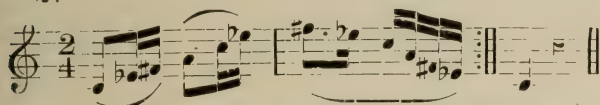
(e)



(f)



(g)



(All these examples may be transposed to suit the compass of the voice).

(h)



(May be transposed to suit the compass of the voice).

(3) To sing any interval above or below a given note.

(4) To vocalize or sol-fa four studies of different character selected from the given lists: soprano or tenor, and contralto or bass.

(5) To sing four songs from the lists (a) and (b)—two from each list.

(6) To sing two selections from the oratorio and two from the operatic lists respectively.

(7) To sing two recitatives selected from groups (a) and (b)—one from each group.

(8) To sing, at sight, (1) an unaccompanied melody; (2) a portion of a song of moderate difficulty with accompaniment.

(9) To sing and play the accompaniment of any solo given in the list for the Junior Local Examinations in Singing, and previously prepared by the candidate.

Candidates must bring their own accompanists.

All candidates have the option of singing the words of their solos either in the original language or in the English translation of the same, but credit will be given for efficiency in foreign languages.

For particulars as to fees, see p. 42.

Marks will be awarded under the following heads:—

(1) Voice production.

(2) Accuracy as to tempo in the selected songs and studies.

(3) Management and control of breath.

(4) Time and rhythm.

(5) Correctness of intonation.

(6) Precision and neatness in attacking and leaving notes.

(7) Variety of tone, phrasing and expression.

- (8) Style and correctness in recitative performance.
- (9) Flexibility.
- (10) Distinctness and correctness of pronunciation.
- (11) Sight singing.
- (12) Satisfactory rendering of the prepared song and the candidate's own accompaniment to the same.

## SOPRANO.

## SONGS.

- (a) *Chopin*. . . . . "The Birdling."
- Greig*. . . . . "Sunshine Song." (Solviegs Lied).
- Massenet*. . . . . "Enchantment."
- Schubert*. . . . . "Ave Maria."
- Schumann*. . . . . "He, the best of all, the Noblest." (Er Der Herrlichste Von Allen).
- (b) *Bemberg*. . . . . "Nymphs and Fawns."
- Berlioz*. . . . . "Absence."
- Bishop*. . . . . "Lo! Here the Gentle Lark."
- Chaminade*. . . . . "Summer."
- MacCunn, Hamish* "Fire of heaven, whose strong arrow."
- Massenet*. . . . . "Good Night."
- Somervell*. . . . . "Go Not Happy Day."

## ORATORIO.

- Benedict*. . . . . "I Mourn as a Dove." (S. Peter).
- Handel*. . . . . "So shall the Lute and Harp Awake." (Judas Maccabaeus).
- Haydn*. . . . . "With Verdure Clad." (Creation).
- Mendelssohn*. . . . . "Hear Ye! Israel." (Elijah).

## OPERA.

- David, F.* . . . . . "Charmant Oiseau." (La Perle du Brésil).
- Rossini*. . . . . "Bel raggio." (Semiramide).
- Thomas*. . . . . "Know'st thou the Land." (Mignon).
- Verdi*. . . . . "Ave Maria." (Otello).

## CONTRALTO.

## SONGS.

- (a) *Brahms*. . . . . "Sapphic Ode."
- Grieg*. . . . . "Outward Bound." (Ausfahrt).
- Handel*. . . . . "Hymen, haste! thy torch prepare."
- Kjerulf*. . . . . "Longing."
- Stange*. . . . . "The Last Look." (Letzte Begegnung).
- Spohr*. . . . . "Rose, Softly Blooming."
- (b) *Allitsen*. . . . . "Katherine."
- Coenen*. . . . . "True Love."



*Kellie, Lawrence.* "The Boy and the Brook."  
*Mascheroni.* . . . . "Hasten to Me."  
*Mattei.* . . . . "My Native Land."  
*Tosti.* . . . . "La Serenata."

ORATORIO.

*Handel.* . . . . "In the battle, fame pursuing." (Deborah).  
*Handel.* . . . . "He was despised." (Messiah).  
*Handel.* . . . . "O thou that tellest good tidings to Zion." (Messiah).  
*Mendelssohn.* "Woe unto them." (Elijah).

OPERA.

*Donizetti.* . . . "Il Segreto." (Lucrezia Borgia).  
*Gluck.* . . . . "Vieni che poi sereno." (Semiramis).  
*Rossini.* . . . . "Tu che accendi questo core—Di tanti palpiti. (Tancredi).  
*Verdi.* . . . . "Stride la Vampa." (Il Trovatore).

TENOR.

SONGS.

- (a) *Coleridge-Taylor* "Onaway, Awake! Beloved." (Hiawatha).  
*Grieg.* . . . . "Thanks for thy hand" (Dein Rath ist wohl gut).  
*Liszt.* . . . . "Mignon's Lied."  
*Raff.* . . . . "Riccio's Last Song."  
*Schubert.* . . . "Impatience." (Ungehduld).  
*Schumann.* . . "The Hidalgo."  
*Von Fielitz.* . . "Oh! Irmingarde." (Heimliche Grusse).  
 (b) *Blumenthal.* "The Message."  
*Chaminade.* "The Bird's Noel."  
*Pinsuti.* . . . . "The Last Watch."  
*Stanford.* . . . "A Message to Phillis."  
*Stange.* . . . . "Favoring Breeze." (Frische Brise).

ORATORIO.

*Bach.* . . . . "Haste, ye Shepherds." (Christmas Oratorio).  
*Handel.* . . . . "The Enemy Said." (Israel in Egypt).  
*Haydn.* . . . . "The Traveller Stands Perplexed." (The Seasons).  
*Sullivan.* . . . "Refrain thy Voice from Weeping." (The Light of the World).

OPERA.

*Bizet.* . . . . "La Fleur que tu m'avais jetté." (Carmen).  
*Donizetti.* . . . "Spirto gentil." (La Favorita).  
*Mackenzie.* . . "How often have I sat." (Colomba).  
*Wagner.* . . . . "In Fernem Land." (Lohengrin).

## BARITONE AND BASS.

## SONGS.

- (a) *Carissimi*. . . "Victorious my heart is." (Vittoria! mio core).  
*Loewe*. . . . . "The Bellringer's Daughter." (Des Glockenthur-  
 mers Töchterlein).  
*Mendelssohn*. "I'm a roamer."  
*Schubert*. . . "The Wanderer."  
*Schubert*. . . "The Erl King."
- (b) *Allitsen*. . . . "King Duncan's Daughter." (Die Botschaft).  
*Bennett*. . . . . "Tis Jolly to Hunt." (May Queen).  
*Elliott*. . . . . "To the Clouds."  
*Gounod*. . . . . "The Valley."  
*Mattei*. . . . . "Oh! Hear the Wild Winds Blow."

## ORATORIO.

- Bach*. . . . . "Mighty Lord and King all Glorious." (Christmas  
 Oratorio).  
*Handel*. . . . . "The Lord Worketh Wonders." (Judas Maccabaeus).  
*Mackenzie*. . . "Unto My Charger." (The Rose of Sharon).  
*Mendelssohn*. "It is Enough." (Elijah).

## OPERA.

- Gounod*. . . . . "She Alone Charmeth My Sadness." (La Reine  
 de Saba).  
*Mozart*. . . . . "Deh Vieni." (Don Giovanni).  
*Sullivan*. . . . "Woo Thou, Thy Snowflake." (Ivanhoe).  
*Verdi*. . . . . "Il Balen." (Il Trovatore).

## STUDIES.

## SOPRANO OR TENOR.

- Panseron's* 25 Vocalises. Nos. 6, 8 or 19.  
*Concone's* 15 Vocalises. 4, 5 or 6.  
*Concone's* 50 Lessons for Soprano. 36, 39 or 50.

## CONTRALTO OR BASS.

- Concone's*. . . . . "42 Vocal Exercises for Contralto, Baritone or Bass."  
 Nos. 8, 13, 20, 25 or 27.  
*Panseron's*. . . . . "40 Lessons for Contralto." Nos. 20, 23, 29, 37 or 40

## RECITATIVE.

## SOPRANO.

- (a) *Handel*. . . . . "No More in Zion." (Judas Maccabaeus).  
*Handel*. . . . . "O, Worse Than Death." (Theodora).

(b) *Beethoven*. . . "Thou Monstrous Fiend." (Abscheulicher). (Finale Act I. *Fidelio*).

*Verdi*. . . . . "Vanne Lasciami." (*Il Trovatore*. Act IV.).

### CONTRALTO.

(a) *Handel*. . . . "See, She Blushing Turns Her Eyes." (Semele).

*Handel*. . . . . "Great Prophetess, My Soul's on Fire." (*Deborah*).

(b) *Mercadante*. . "Ah! s'estinto." (*Donna Caritea*).

*Rossini*. . . . . "Eccomi Alfina." (*Semiramide*).

### TENOR.

(a) *Handel*. . . . . "Comfort Ye." (*Messiah*).

*Handel*. . . . . "Tyrannic Love." (*Susanna*).

(b) *Bruga*. . . . . "Bella del suo sorriso." (*Regniella*).

*Verdi*. . . . . "De'miei bollenti Spiriti." (*La Traviata*).

### BARITONE AND BASS.

(a) *Handel*. . . . "I'll Hear No More." (*Esther*).

*Handel*. . . . . "Thus Saith the Lord." (*Messiah*).

(b) *Verdi*. . . . . "Pari Siamo." (*Rigoletto*). The first portion only, in the key of F. Act I., Scene 7.

*Verdi*. . . . . "All Here is Silent." "Tace la Notte." (*Il Trovatore*).

## Organ.

NOTE.—Before a diploma is granted all candidates must pass the University Junior and Senior Local Examinations (with honours) in the Theory of Music, and the Senior Local Examination in Piano Playing.

Candidates must be prepared to play ten pieces selected from the following list, one of which must be by Bach, one by Mendelssohn, one by Guilmant, one by Rheinberger, and one by Widor, the candidate being allowed freedom of choice in the remaining five numbers. One number must be prepared without assistance:—

*Bach, J. S.* . . . . . Passacaglia, C minor, (Vol. I., No. 7, Peters). Fugue (The Great), in G minor, (Vol. II., No. 4, Peters). Prelude and Fugue in E minor, (Vol. II., No. 9, Peters). Toccata in F, (Vol. III., No. 2, Peters). Toccata and Fugue in D minor, (Vol. IV., No. 4, Peters). Prelude and Fugue in A minor, (Vol. II., No. 8, Peters).

*Best, W.* . . . . . Fantasie and Fugue in E (Augener).

*Boellmann.* . . . . . Suite Gothique.

- Buxtehude*.....Fantasia, Prelude and Fugue (Cranz).  
*Elgar, E.*.....Triumphal March, op. 7, from "Caractacus," Lemare  
 Recital Series.  
*Finck.*.....Fest Praeludium, op. 63.  
*Guilmant.*.....Sonatas, Nos. 1, 5 and 6 (any one). Marche Funebre  
 and Chant Seraphique. Finale from Grand Choeur  
 in E flat. Caprice in B flat, op. 20.  
*Handel*.....Concerto No. 2, in B flat (first set).  
*Hesse*.....Toccato in A flat, op. 85 (Augener).  
*Hollins.*.....Concert Overture in C minor.  
*Lemmens.*.....Ite Missa Est. (Ecole d'Orgue). Fantasia in E  
 minor, (The Storm). Sonata Pontificale.  
*Lux.*.....Fantasia de Concert (O Sanctissima).  
*Mendelssohn*.....Sonatas, Nos. 1 and 6 (either).  
*Meyerbeer-Best.*...Schiller Festival March.  
*Merkel, G.*.....Fantasia and Fugue, op. 109. Sonata in D minor,  
 op. 118. Sonata in A minor, op. 183.  
*Rheinberger.*....Pastorale Sonata, op. 88. Sonata in A minor, op. 98.  
 Sonata in E flat, op. 119.  
*Rossini-Buck.*...Overture to William Tell.  
*Saint-Saens.*...Three Rhapsodies.  
*Smart*.....Fantasia with Chorale in G.  
*Thiele*.....Concert Satz in E flat. Chromatic Fantasia and  
 Fugue.  
*Wagner-Dubois.*...Introduction to Third Act of Lohengrin.  
*Weber-Warren.*...Overture to Oberon.  
*Widor.*.....Cantilene and Toccata from Fifth Organ Symphony;  
 Minuet and Finale, Third Organ Symphony.

Candidates must be prepared to modulate from one key to another; to harmonize a given melody; to play at sight an organ piece; to transpose at sight a given hymn tune or chorale; to read at sight vocal score of four parts; to add three parts to a given figured bass; to extemporize upon a given theme; to sing at sight a given melody, and to answer questions in organ construction, tuning, pitch and quality of stops.

Marks will be awarded under the following headings:—

Accuracy as to notes, rests, etc.

Independence of action between hands and feet.

Touch—legato, clear part-playing, etc.

Choice and management of stops.

Phrasing.

Strictness and choice of tempo.

Modulation.

Harmonizing a given melody.

Sight reading.



Sight reading in vocal score.  
 Transposition.  
 Harmonizing a given figured bass at sight.  
 Sight singing.  
 Questions on organ construction, etc.  
 For particulars as to fees, see p. 344.

## Violin.

Candidates must bring their own accompanists.

Before a diploma is granted all candidates must pass the University Junior and Senior Examination (with honours) in the Theory of Music, and must also pass the Primary Piano Examination.

Candidates will be required to prepare eight pieces chosen from the following list, one piece being selected from each of the 1st, 4th, 5th and 6th groups, and two pieces from each of the 2nd and 3rd groups.

### PIECES.

#### Group No. 1:—

*Wieniawski*. . . . . 2nd Concerto.  
*Lipinsky*. . . . . Concert Militair.  
*Vieuxtemps*. . . . . Concertos (any one).  
*Paganini*. . . . . Concerto in E flat.  
*Ernst*. . . . . Concerto in F sharp minor.

#### Group No. 2:—

*Mendelssohn*. . . . . Concerto.  
*Bruch*. . . . . Concerto in G minor.  
*Beethoven*. . . . . Concerto.  
*Godard*. . . . . Concerto in A minor.  
*Bruch*. . . . . Scottish Fantasie.  
*Spohr*. . . . . Concertos Nos. 2, 7, 8, 9 (any one).

#### Group No. 3:—

*Sarasate*. . . . . Spanish Dances.  
*Sarasate*. . . . . Zigeuner Weisen.  
*Wieniawski*. . . . . Airs Russes.  
*Wieniawski*. . . . . Polonaises (either one).  
*Saint-Saens*. . . . . Rondo capriccioso.  
*Brahms-Joachim*. . . . . Hungarian Dances (any one).  
*Paganini*. . . . . Compositions.  
*David*. . . . . Scherzo capriccioso.  
*Musini*. . . . . Mazurkas (either one).  
*Bazzini*. . . . . La Ronde de Lutins.

## Group No. 4:—

*Chopin-Sarasate*. . Nocturne in E flat.*Chopin-Wilhelmj*. Nocturne, op. 27, No. 2.*Wagner-Wilhelmy*. Siegfried Paraphrase.

## Group No. 5:—

*Bach*. . . . . Sonatas for Solo Violin, Nos. 1, 3, 4, 5 (any one).*Tartini*. . . . . Le trille de Diable.

## Group No. 6:—

*Bach*. . . . . Sonatas Nos. 3, 6, 7, 8, 9, 10 (any one).*Beethoven*. . . . . 6 Sonatas for Piano and Violin (any one).Sonatas by *Schumann*, *Grieg*, *Rubinstein*, *Rheinberger*, *Schuett*.  
*Sinding* or *Brahms* (any one sonato).

## SIGHT READING.

Candidates will be required to play at sight, three movements of different character and of moderate difficulty.

Marks will be awarded under the following heads:—

Purity of intonation.

Tone quality and tone volume.

Accuracy of notation, and in bow and finger marks.

Independence of fingers; evenness of speed.

Portamento and tasteful changes of position.

Rhythm, phrasing, and shading.

Choice of tempo, style and conception.

Emotion, brilliancy, breadth (natural qualifications).

Excellence of bowing—legato, martellato, staccato, spiccato, ricochet.

Excellence of left hand work—trill, harmonics, double stoppings and chords.

Sight reading.

Memory.

For particulars as to fees, see p. 42.

## Fees for Higher Examinations for Diploma of Licentiate in Music, University of Toronto.

NOTE.—Candidates' names (on the proper forms of application) must be in the hands of the Registrar of the University on or before May 9th, 1904. No applications will be received after this date.

Candidates who, after paying the required fees, do not present themselves, or who fail to pass, may, upon presenting a valid excuse, be allowed the privilege of entering upon the succeeding examination on payment of half the regular fee. The fee for diploma will be returned to unsuccessful candidates.

Fee for examination . . . . . \$20 00

Diploma . . . . . 5 00

## CURRICULUM IN PEDAGOGY.

### Degree of Bachelor of Pedagogy.

The degree of Bachelor of Pedagogy (B. Pæd.) is granted under the following conditions and regulations:—

1. The candidate shall hold (*a*) a degree in Arts, not being an honorary degree from a University in the British Dominions; and (*b*) a permanent first class or High School assistant's certificate, granted by the Education Department of Ontario.

2. The candidate shall pass an examination in the History and Principles of Psychology and Ethics, with their applications to Pedagogy; the Science of Education; and the History and Criticism of Educational Systems.

3. The candidate shall submit certificates of successful experience in teaching, satisfactory to the Senate.

4. The examination shall be held in May at the University of Toronto, or in any other locality in the Province chosen by the candidate and approved by the Senate, and under a presiding examiner appointed by the Senate, provided the candidate or candidates thereat defray the cost of the local examination. The candidate shall send notice to the Registrar of the University, not later than the first of April, of the locality he has chosen.

5. The fee for the examination shall be twenty dollars; and, for the degree, ten dollars. Both fees shall be paid to the Bursar not later than the first day of April.

6. The following text-books are recommended:—

#### A. HISTORY OF PSYCHOLOGY AND ETHICS.

##### I. *Ancient.*

Muirhead's Chapters from Aristotle's Ethics.

Dyde's Plato's Theætetus.

Bosanquet's Education of the Young in the Republic of Plato.

Nettleship's Article on Plato's Theory of Education in the Hellenica. and Windelband's History of Ancient Philosophy may also be consulted.

##### II. *Modern.*

J. S. Mill's Examination of Hamilton and Utilitarianism.

Herbert Spencer's Principles of Psychology.

Höfding's History of Modern Philosophy, Vol. II.; Sidgwick's History of Ethics, and Watson's Hedonistic Theories may also be consulted.

## B. PRINCIPLES OF PSYCHOLOGY AND ETHICS.

- Wundt's Outlines of Psychology.  
 Titchener's Primer of Psychology.  
 Wundt's Human and Animal Psychology (translated by Titchener and Creighton).  
 Tracy's Psychology of Childhood (6th edition).  
 McKenzie's Manual of Ethics.  
 Bosanquet's Psychology of the Moral Self.  
 Watson's Outlines of Philosophy.  
 Stout's Manual of Psychology, or Külpe's Outlines of Psychology.

## C. THE SCIENCE OF EDUCATION AND THE HISTORY OF EDUCATIONAL SYSTEMS.

- McLellan's Psychology of Number.  
 Tompkins's Philosophy of Teaching.  
 McLellan's Applied Psychology.  
 Locke's Conduct of the Understanding.  
 Compayré's Lectures on Pedagogy.  
 Laurie's Pre-Christian Education.  
 Laurie's Comenius.  
 Davidson's History of Education.  
 Davidson's Ancient Educational Ideals.  
 Munro's Educational Ideals.  
 Bowen's Fröbel and Education by Self-Activity.  
 Guyau's Education and Heredity.  
 Fouillée's Education from a National Standpoint.  
 Herbert Spencer's Education.

**Degree of Doctor of Pedagogy.**

The degree of Doctor of Pedagogy (D. Pæd.) is granted under the following conditions and regulations:—

1. The candidate shall hold (a) a degree in Arts, not being an honorary degree, from a University in the British Dominions, (i) with honours in a department, or (ii) with a certificate as School Inspector or permanent certificate as specialist, granted by the Education Department of Ontario; and (b) the degree of Bachelor of Pedagogy from this University, or at least seven years' successful experience as teacher or school inspector in Ontario.

2. The candidate shall pass an examination in the History and Principles of Psychology and Ethics, with their application to Pedagogy; the Science of Education; and the History and Criticism of Educational Systems, with special reference to the nineteenth century.

3. The candidate shall submit certificates of successful experience as a teacher or school inspector, satisfactory to the Senate.



He shall also submit through the University Registrar, on or before the first day in May of the year in which he presents himself for examination, a thesis on some pedagogical topic, embodying the results of original investigation conducted by himself. After the examiners have reported in favour of his answer papers and his thesis, he shall, on the requisition of the Registrar, furnish him with one hundred printed copies of the thesis on or before the first day of October of the same year. The printed thesis shall contain the report of the examiners, which will be furnished to the candidate by the Registrar.

4. The examination shall be held at the same time and under the same conditions as the examination for the degree of Bachelor of Pedagogy. The fee for the examination shall be forty dollars; and, for the degree ten dollars. Both fees shall be forwarded by the candidate to the Bursar of the University not later than the first day of April, with his application and his certificates of successful experience.

5. The following text-books are recommended:—

#### A. PSYCHOLOGY AND ETHICS.

I. Wundt's *Physiological Psychology*.

James's *Principles of Psychology*.

Ward's "Psychology" in *Encyclopædia Britannica*.

Stout's *Analytical Psychology* or Titchener's *Experimental Psychology* (students' edition).

Green's *Prolegomena to Ethics*.

Bosanquet's *Philosophical Theory of the State*.

Candidates who present a certificate of at least one year's successful work in the Psychological laboratory of the University of Toronto will be exempt from the examination in Psychology prescribed in this section.

II. The candidate shall take in addition *either* the Ancient or the Modern section, as follows:—

##### (a) *Ancient*.

Plato's *Republic*, Bks. I., II., III. and IV. (Campbell and Jowett).

Aristotle's *De Anima*, Bks. I. and III. (E. Wallace).

Aristotle's *Ethics*, Bks. I. and II. (Burnet).

##### (b) *Modern*.

Descartes' *Method and Meditations* (Veitch).

Lebnitz's *Monadology* (Latta).

The *Philosophy of Kant: The Critique of Pure Reason* (Max Müller's Translation) and Watson's *Selections*.

Caird's *Articles on Cartesianism* in his *Essays in Literature and Philosophy*, Watson's *Outlines of Philosophy*, Dewey's *Leibnitz* (Grigg series), and Höffding's *History of Modern Philosophy* may also be consulted.

B. THE SCIENCE OF EDUCATION AND THE HISTORY AND CRITICISM OF  
EDUCATIONAL SYSTEMS.

Harris's Psychological Foundations of Education.

Rosenkrantz's Philosophy of Education.

Laurie's Institutes of Education.

Bacon's Advancement of Learning.

Pestalozzi's Leonard and Gertrude (Channing).

Fröbel's Education of Man (Hailman's).

Davidson's Education of the Greek People.

De Garmo's Herbart and the Herbartians.

Sir J. G. Fitch's Thomas and Matthew Arnold.

J. E. Russell's The German Higher Schools.

Balfour's Educational Systems of Great Britain and Ireland.

Rousseau's Emile.

Hinsdale's Horace Mann.

Dewey's School and Society.

Compayré's History of Pedagogy.

**The chief recent Educational Reports.**

At the examination for degrees in Pedagogy the standard shall be as follows:—

- (1) For Pass, forty per cent. of the marks assigned to each paper;
- (2) For Second Class Honours, sixty per cent. of the total marks for all the papers;
- (3) For First Class Honours, eighty per cent. of the total of the marks for all the papers.

## CURRICULUM IN HOUSEHOLD SCIENCE.

1. There shall be established a four years' course leading to the degree of Bachelor of Household Science.

2. The subjects and standard of the entrance examination shall be the same as those of Junior Matriculation. Three of the subjects shall be obligatory, viz., English, Mathematics and History, and the candidate shall be required to elect in addition three of the following, viz.: Latin, Greek, French, German and Experimental Science.

3. The subjects of the First year examination shall be as follows:—

- (a) English of the First year of the general course in Arts.
- (b) French of the First year of the general course in Arts.
- (c) German of the First year of the general course in Arts.
- (d) Biology of the First year of the general course in Arts.
- (e) Chemistry of the Second year of the general course in Arts.
- (f) Physics of the First year honour course.

(g) Elementary Household Science, including the principles of Cookery and Housekeeping. The candidate must present a certificate from an approved school of household science of having satisfactorily pursued a course of laboratory work of 125 hours in illustration of the above subjects.

(h) Physical Training, with the elements of personal hygiene. The candidate must present a certificate of having for six months prior to the examination attended a course in physical training to the satisfaction of the instructor.

4. The subjects of the Second year examination shall be as follows:—

- (a) English of the Second year of the general course in Arts.
- (b) French of the Second year of the general course in Arts.
- (c) German of the Second year of the general course in Arts.
- (d) Psychology of the Second year of the general course in Arts.
- (e) Physiology of the Second year of the honour course in Natural Science.

(f) Organic Chemistry of the Second year of the honour course in Natural Science.

(g) Practical Biology of the honour course of the First year in Natural Science.

(h) Practical Chemistry of the honour course of the First year in Natural Science.

(i) Household Science, including the construction, care and conduct of the house in all its departments. The candidate must present a certificate from an approved school of household science of having satisfactorily pursued a second course of laboratory work of 175 hours.

(j) Physical Training. The candidate must present a certificate of having for six months prior to the examination attended a second course of physical training to the satisfaction of the instructor.

5. Students who do not intend to prosecute their studies further than the close of the Second year, may substitute English of the Third year of the general course in Arts for that of the Second year, and Modern History of the Third year of the general course in Arts for Psychology.

6. The subjects for the Third year examination shall be as follows:—

(a) English of the Third year of the general course in Arts.

(b) Modern History of the Third year of the general course in Arts.

(c) Economics of the Fourth year of the general course in Political Science.

(d) (1) Biology, inclusive of Human Physiology. (2) Special laboratory course, of which a syllabus shall be issued by the Senate.

(e) Physiological Chemistry, inclusive of chemistry of foods.

(f) Practical Chemistry of the Second year of the honour course in Biology.

(g) Elements of Hygiene.

(h) Household Science.

The candidate must present a certificate from an approved school of household science of having satisfactorily pursued a third course of laboratory work of 175 hours' duration.

(i) Physical Training.

The candidate must present a certificate of having for six months prior to the examination attended a third course in physical training to the satisfaction of the instructor.

7. Students who have successfully concluded the work of the Third year shall receive a diploma in Household Science, but such of them as desire a teacher's certificate in addition to the diploma must present a certificate from an approved school of household science of having satisfactorily completed a course of sixty hours in methods of teaching household science; these may, however, omit the economics of the Fourth year.

8. The subjects of the Fourth year course shall be as follows:—

(a) Honour Modern English of the Fourth year.

(b) Ethics of the Third year of the general course in Arts.

(c) Sanitary Science.

(d) The candidate must present evidence of having devoted himself in the University laboratories to special work bearing on problems of household science for a period of 400 hours. He will be required to present a report on the work performed.

9. Bachelors of Arts may obtain the diploma and teacher's certificate in two years, and will be exempted from all the examinations except those in household science, and such of the scientific subjects as they have not already taken in their undergraduate course.

10. The standard for passing shall be the same as that required for the general course in Arts.



## DIPLOMA IN COMMERCE.

### CURRICULUM.

#### Entrance.

Candidates may enter this course who have passed an examination in English, Modern History and Geography, Mathematics and any two Modern Languages.

The papers of this examination and the standing required shall be those of the Junior Matriculation.

#### First Year.

1. English of the First Year.
2. Any two of the four Modern Languages, viz.: French, German, Spanish, Italian.
3. Application of Mathematics to commerce.
4. Elementary Inorganic Chemistry of the First year.
5. Elementary Physics of the First year.
6. Elementary Economics of the Second year—Honours.
7. Drawing (Optional).

#### Second Year.

1. English of the Second year with two instead of four compositions.
2. Any two Modern Languages of the Second year with exercises in commercial literature.
3. Economics:—(a) Economic Geography, Economic History.  
(b) Banking, Public Finance.  
(c) Transportation  
with four compositions.
4. Commercial Law.
5. Geology and Mineralogy of the Second year, or Applied Chemistry, or History and Principles of Architecture, or Electricity with laboratory work or Mechanical Drawing.

#### Diploma.

The diploma in Commerce will be awarded to those candidates who have attended in the University of Toronto the lectures in the subjects of the First and Second years as specified above, and who have passed the prescribed examinations.

## INFORMATION FOR STUDENTS.

### Objects of the Course.

The course in Commerce, established in 1901, is intended to supply facilities for the training of young men who purpose entering upon a business career, especially for those who desire to turn their attention to domestic and foreign commerce, banking, or those branches of the public service, *e.g.*, trade consularships, in which a knowledge of business is essential; it is designed also to provide instruction for those preparing themselves for positions as commercial masters. The course has been limited to two years of study in order to meet the requirements of students who cannot spend a longer time in preparation. Such students as are able to complete a four years' course of study will find in the Arts course in Political Science a curriculum corresponding in some important respects with that prescribed for the diploma in Commerce.

### Requirements for Admission.

The entrance examination is identical with that for Junior Matriculation, with the omission of Latin. All students are recommended to pass this examination, but any student presenting himself will be admitted to the course, and if successful in passing the examinations at the end of the first year, will be allowed to proceed as a regular student with his next year's work. Before entering upon the course a student must register with the Registrar of the University, and enroll with each instructor whose lectures he is to attend.

### Course of Study.

The studies included in the course fall naturally into four groups:—

- (1) Mathematics and the Natural Sciences.
- (2) Modern languages, including English composition.
- (3) History and Political Economy, embracing Economic Theory, Economic Geography, Modern Industrial History, Banking, Transportation, Commercial Law.
- (4) Drawing, including the history and principles of Architecture.

In groups (1), (2) and (4) certain electives are allowed as indicated in the curriculum above.

### Fees.

The usual University fees for instruction and examination in the various subjects are required, viz:—

|  |                |
|--|----------------|
| For Matriculation Examination .....  | \$ 5 00        |
| For Academic year, extending from October to<br>May .....                    | 36 00          |
| Library fees .....   | 2 00           |
| Laboratory fees (in the Natural Science Department) per course per year..... | \$1 00 to 3 00 |

Mr. P. W. Ellis has donated a bronze medal to be known as the Course in Commerce Medal, which will be awarded at the examination of the Second year. Students in the course are also members of the Political Science Club of the University, and as such are entitled to compete for the Political Science Club Silver Medal, presented by the same donor. This medal is awarded for the best essay showing original research work prepared during the summer vacation.

### Scholarships.

The members of the Executive of the Board of Trade of the City of Toronto for 1901 provided the sum of \$200, which has been assigned as follows:—

#### Matriculation Examination.

|  |         |
|--|---------|
| First Board of Trade of the City of Toronto Scholarship... | \$60 00 |
| Second Board of Trade of the City of Toronto Scholarship.. | 40 00   |

#### First Year Examination.

|  |         |
|--|---------|
| First Board of Trade of the City of Toronto Scholarship... | \$60 00 |
| Second Board of Trade of the City of Toronto Scholarship.. | 40 00   |

## CURRICULUM FOR DIPLOMA IN GYMNASTICS AND PHYSICAL DRILL.

A diploma will be granted to students of the University who shall have completed to the satisfaction of the Senate the following courses for teachers of Gymnastics and Physical Drill:—

I. A theoretical course embracing anthropological measurements and the general methods adopted to improve the physical condition of the student.

II. A practical course embracing the following exercises:—

FOR MEN.

1. (a) Horizontal Bar.  
(b) Parallel Bars.  
(c) Vaulting Horse.
2. Rifle exercise and military drill.
3. Club-swinging and dumb-bells.
4. Fencing, single-stick and quarter-staff.
5. Boxing and wrestling.

Of these 1 and 2 to be compulsory, together with any one of 3, 4 or 5.

FOR WOMEN.

1. Exercises for the chest and upper extremities.  
(a) Dumb-bell and bar-bells.  
(b) Club-swinging and basket-ball.  
(c) Swedish exercises for harmonic expansion.
2. Progressive exercises, including walking, running, leaping, marching and drill with use of vaulting bar and horse.
3. Calisthenics, including poise and ease, freedom and harmony of movement.
4. Vocal exercises, including breathing, freedom and strength of voice, expression, quantity, rhythm and melody.
5. Exercises involving correlation of muscular movement with the eye, including fencing, archery, tennis and other exercises of quickness and precision.

Numbers 1, 2 and 3 are required of all students, and an option of 4 and 5.

An examination will be required in elementary anatomy and hygiene.

III. All candidates for the diploma shall present certificates of having completed a three years' course of instruction in the subjects of examination. Such course of instruction shall be taken in the Gymnasium of the University of Toronto, but courses of instruction elsewhere may, by special permission of the Senate, be accepted *pro tanto*.

IV. The fee for examination shall be \$2, and for the diploma \$2.





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**FEDERATED AND AFFILIATED COLLEGES.**

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## St. Michael's College.

St. Michael's College was established in 1852 by the Basilian Fathers from Annonay, France, at the request and under the patronage of the Most Rev. Dr. De Charbonnel, then Bishop of Toronto. For four years the College occupied the wing of St. Michael's Palace, on Church street. In 1856 a more suitable edifice was erected on the present site, part of which was the gift of the late Hon. John Elmsley. Since that time the building has been more than doubled, and the chapel enlarged and improved.

The object of the institution is to impart a thorough Catholic training, moral and intellectual, so as to fit young men for any position in life which they may wish to occupy.

The studies advancing steadily with the educational progress of the country, it was deemed advantageous for those studying for the liberal professions to have the College affiliated with the Provincial University. In 1881 this affiliation was effected upon a basis similar to that of several of the Catholic Colleges of England and Ireland with the University of London.

The course of study comprises, besides an Elementary department, three others, viz., Commercial, Classical and Philosophical. In the latter department lectures are delivered in the subjects of the department of Philosophy as prescribed by the curriculum of the University of Toronto.

Special lectures are also delivered upon the History required in the curriculum of the University.

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## The Faculty.

REV. J. R. TEEFY, LL.D., C.S.B., *Superior and Professor of Mental Science.*

REV. F. R. FRACHON, C.S.B., *Professor of Theology.*

REV. A. P. DU MOUCHEL, C.S.B., *Professor of Rhetoric.*

REV. A. MARTIN, C.S.B., *Treasurer and Professor of Mathematics and Natural Philosophy.*

### Wycliffe College.

Wycliffe College was founded in 1877, being known at first as the Protestant Episcopal Divinity School. It was incorporated in 1879. In 1885 it was affiliated with the University of Toronto, and federated in 1890 upon the proclamation of the Federation Act.

Its object is the Theological training of candidates for the ministry of the Church of England in Canada and for the foreign Missionary field. Its work and methods are based upon the position of "distinctive Evangelical teaching" in Theology.

In the University and University College its students receive instruction in the prescribed subjects of the Arts Course, as preliminary to the special study of Theology. The Theological Course extends over a period of three years, and leads up to the degree of B.D.

The first year of the Theological Course may, however, be taken concurrently with the Arts work of the University by means of the Theological options, and by following the schedule laid down in the calendar of the College.

The first building of the College was erected in 1882. The work is now carried on in the building completed in 1891, contiguous to the Queen's Park, and in proximity to the main building of the University of Toronto, with rooms for forty-four students, lecture rooms, library, chapel, dining hall, etc.

In 1902 extensive alterations were made to the building by the erection of a Convocation Hall and new Library.

Students have access to the University library, gymnasium, etc.

### The Faculty.

- REV. J. P. SHERATON, D.D., LL.D. (PRINCIPAL), *Professor of Dogmatic Theology and of the Literature and Exegesis of the New Testament.*
- REV. HENRY J. CODY, M.A., *Professor of the Literature and Exegesis of the Old Testament and of Ecclesiastical History.*
- REV. H. P. PLUMPTRE, M.A., OXON., *Professor of Liturgics, Homiletics and Pastoral Theology.*
- REV. W. E. TAYLOR, M.A., *Professor of Apologetics and Lecturer in Old Testament History.*

### Honorary Lecturers.

- REV. JOHN DE SOYRES, M.A. (late Hulsean Lecturer at the University of Cambridge), *Church History.*
- REV. G. M. WRONG, M.A. (Professor of History in the University of Toronto), *Apologetics.*
- REV. F. H. DUVERNET, B.D., *Pastoral Theology.*

*Chairman of Council.*

N. W. HOYLES, ESQ., LL.D., K.C.

*Representatives on the Senate.*

THE PRINCIPAL.

HON. S. H. BLAKE, K.C.

N. W. HOYLES, ESQ., K.C.

*Librarian.*

REV. W. E. TAYLOR, M.A.

*Dean of Residence.*

REV. H. P. PLUMPTRE, M.A.

*Registrar and Bursar.*

HERBERT MORTIMER, ESQ.

Registrar's Office, Room 60, Confederation Life Building, Toronto.

## Knox College.

Knox College was established at Toronto in 1844, as a theological seminary in connection with the Synod of the Presbyterian Church of Canada (Free Church), which had been organized in the same year. In 1858 it was incorporated by Act of Parliament. In 1861, in consequence of the union of the Synod of the Free Church and that of the United Presbyterian Church, as the Synod of the Canada Presbyterian Church, Knox College and the Theological Institute of the United Presbyterian Synod were united.

After several changes of location the present buildings on Spadina Avenue were erected in 1875. Knox College was affiliated with the University of Toronto in 1885, and federated in 1890, upon the proclamation of the Federation Act. In the University and University College such of its students as are not proceeding to a degree receive instruction during three sessions in English, Latin, Greek, History, Logic, Chemistry, Biology, Physics, Mental and Moral Philosophy and Hebrew. Most of the entrants in Theology, however, complete a regular University course. The course in Theology extends over three years. A number of scholarships and prizes are offered for competition in each year. Theological options may be taken by students of the University in their Third and Fourth years.

The College is governed by "The Board of Management":—Hon. William Mortimer Clark, LL.D., Chairman; Rev. Prof. Ballantyne, B.A., Secretary.



### The Faculty.

REV. WILLIAM CAVEN, D.D., LL.D. (Principal and Chairman of Senate),  
*Professor of New Testament Literature and Exegesis.*

REV. WILLIAM MACLAREN, D.D., *Professor of Systematic Theology.*

REV. JAMES BALLANTYNE, B.A., *Professor of Church History and Church Government.*

REV. JOHN E. MCFADYEN, M.A., B.A. (Oxon.). *Professor of Old Testament Literature and Exegesis.*

*Professor of Apologetics, Homiletics  
and Pastoral Theology.*

MISS E. B. CORNISH, M.A., *Lecturer in Elocution.*

REV. WM. MCWILLIAM, LL.B., *Librarian.*

REV. R. C. TIBB, B.A., *Secretary of Senate.*

REV. J. A. TURNBULL, LL.B., *Chairman of Board of Examiners.*

## Victoria University.

### THEOLOGICAL FACULTY.

The Faculty of Theology in Victoria University was established in 1871 for the purpose of training candidates for the ministry of the Methodist Church. Its classes and degrees have, however, always been open to candidates for the ministry in any church.

Instruction is provided in the various courses of study leading up to ordination in the Methodist Church., viz., the Ordinary Course, the Course for Graduates in Arts, and the B.D. Course. The first-named course pre-supposes matriculation in Arts, the last two pre-suppose graduation in Arts.

Undergraduates in Arts, whether candidates for the ministry or not, have the privilege of taking certain subjects in Theology as theological options in their third and fourth years.

For further information as to courses of study, fees, honours, prizes, scholarships and regulations, see the Calendar of Victoria University, or apply to the Dean of the Faculty, Rev. Professor F. H. Wallace, M.A., D.D.

### The Faculty.

REV. NATHANAEL BURWASH, S.T.D., LL.D., *President, and Edward Jackson Professor of Biblical and Systematic Theology.*

REV. ALFRED H. REYNAR, M.A., LL.D., *Professor of Ecclesiastical History.*

REV. ERATUS I. BADGLEY, B.D., LL.D., *Professor of Ethics and Apologetics.*

REV. FRANCIS HUSTON WALLACE, M.A., D.D., *Dean of the Faculty, and George A. Cox Professor of New Testament Exegesis and Literature.*

REV. JOHN BURWASH, D.Sc., LL.D., *Massey Professor of English Bible and Homiletics.*

REV. JOHN FLETCHER McLAUGHLIN, M.A., B.D., *Professor of Old Testament Exegesis and Literature.*

## Trinity Medical College.

This Medical College was organized in 1850, and at first formed the Medical Faculty of the University of Trinity College. In 1856 it ceased to be a Faculty of that University. In 1871 it was re-organized in the same position. It has always been in affiliation with the University of Toronto. In 1877, in which year it was incorporated by a special Act of the Legislature, as an independent medical teaching body, and its affiliation with the University of Toronto was continued. In 1887 its name became what it now is—by an amendment to the Act of Incorporation—creating it “a college” and making other desirable changes in the Act. Its curriculum embraces all the subjects required by the College of Physicians and Surgeons of Ontario.

### The Faculty.

- W. B. GEIKIE, M.D., C.M., D.C.L., F.R.C.S.E., L.R.C.P., London, Dean of the Faculty, *Professor of Principles and Practice of Medicine.*
- J. A. TEMPLE, M.D., C.M., M.R.C.S., Eng., *Professor of Obstetrics and Gynaecology.*
- F. LE M. GRASETT, M.B., C.M., Edin. Univ., F.R.C.S.E., M.R.C.S., Eng., *Professor of Principles and Practices of Surgery, and of Clinical Surgery.*
- W. T. STUART, M.D., C.M., Trin. Univ., and M.B., Tor. Univ., *Professor of General and Practical Chemistry and Chemical Physics.*
- C. SHEARD, M.D., C.M., F.T.M.C., M.R.C.S., Eng., *Professor of Physiology and of Clinical Medicine.*
- G. S. RYERSON, M.D., C.M., L.R.C.P., L.R.C.S., Edin., *Professor of Ophthalmology and Otology.*
- L. TESKEY, M.D., C.M., M.R.C.S., Eng., *Professor of Surgery of the Abdomen, including Hernia and Clinical Surgery.*
- J. L. DAVISON, B.A., Tor. Univ., M.D., C.M., M.R.C.S., Eng., *Professor of Clinical Medicine.*
- G. A. BINGHAM, M.D., C.M., Trin. Coll., M.B., Tor. Univ., *Professor of Applied Anatomy, and Associate Professor of Clinical Surgery, and the Surgery of the Head and Spinal Cord.*
- N. A. POWELL, M.D., C.M., Trin. Coll., M.D., Bellev. Hos. Med. Coll., N.Y., *Professor of Medical Jurisprudence and Toxicology and Mental Diseases, and of Clinical Surgery, and Lecturer on Surgical Appliances.*

- ALLAN BAINES, M.D., C.M., F.T.M.C., L.R.C.P., London, *Associate-Professor of Clinical Medicine and Professor of Pediatrics.*
- C. TROW, M.D., C.M., Trin. Univ., F.T.M.C., L.R.C.P., Lond., *Clinical Professor of Ophthalmology and Otology.*
- D. J. GIBB WISHART, B.A., Tor. Univ., M.D., C.M., L.R.C.P., Lond., *Professor of Laryngology and Rhinology.*
- E. B. SHUTTLEWORTH, PHM. D., Trin. Univ., F.C.S., *Professor of Materia Medica and Pharmacy.*
- H. B. ANDERSON, M.D., C.M., F.T.M.C., L.R.C.P., Lond., and M.R.C.S., Eng., *Professor of Pathology and Bacteriology, and Lecturer on Clinical Medicine, and Curator of Museum*
- J. T. FETHERINGHAM, B.A., Tor. Univ., M.D., C.M., Trin. Univ., *Professor of Therapeutics and the Theory and Practice of Prescribing, and Associate-Professor of Clinical Medicine.*

### Lecturers, Demonstrators, Instructors, and Assistants.

- W. H. PEPLER, M.D., C.M., F.T.M.C., *Demonstrator in Pathology and Medical Clinical Instructor.*
- C. A. TEMPLE, M.D., C.M., F.T.M.C., *Assistant Clinical Lecturer St. Michael's Hospital.*
- FREDERICK FENTON, M.D., C.M., F.T.M.C., *Lecturer and Demonstrator in Histology, and Medical Clinical Instructor.*
- A. H. GARRATT, M.D., C.M., F.T.M.C., *Lecturer on Clinical Gynaecology, St. Michael's Hospital.*
- H. C. PARSONS, B.A., M.D., C.M., M.R.C.S., Eng., L.R.C.P., Lond., *Demonstrator of Bacteriology and Clinical Microscopy, and Medical Clinical Instructor.*
- C. B. SHUTTLEWORTH, M.D., C.M., F.R.C.S., Eng., L.R.C.P., Lond., F.T.M.C., *Lecturer on Anatomy and Senior Demonstrator of Anatomy and Surgical Clinical Instructor.*
- B. Z. MILNER, M.D., C.M., *Assistant in Practical Anatomy.*
- J. MCMASTER, B.A., Tor. Univ., M.D., C.M., F.T.M.C., *Assistant in Practical Anatomy.*
- GEORGE ELLIOTT, M.D., C.M., Trin. Univ., F.T.M.C., *Assistant in Practical Anatomy.*
- THOMAS BEDFORD RICHARDSON, M.D., C.M., Trin. and Viet. Univ., F.T.M.C., F.R.C.S.E., *Assistant in Practical Anatomy.*

## Ontario Medical College for Women.

The Woman's Medical College was established in 1883. Instruction is given in all subjects required by the College of Physicians and Surgeons of Ontario for admission to a license to practise, and also in all subjects required by the University of Toronto for examination in the Faculty of Medicine. The Woman's Medical College was affiliated with the University of Toronto in 1890.

The building, recently erected, is situated on Sumach street, between Gerrard and Spruce streets.

For further particulars as to instructions, etc., apply to Jean M. Willson, M.B., Registrar of the Faculty.

### The Faculty.

- R. B. NEVITT, B.A., M.D., *Dean of Faculty, Professor of Clinical Surgery.*
- J. T. DUNCAN, M.D., C.M., *Professor of Anatomy.*
- A. R. PYNE, M.B.
- A. STOWE GULLEN, M.D., C.M., *Professor of Diseases of Children.*
- JAMES F. W. ROSS, M.D., C.M., *Professor of Gynaecology.*
- D. J. GIBB WISHART, B.A., M.D., C.M., *Secretary of the Faculty, Professor of Rhinology and Laryngology.*
- T. F. MCMAHON, M.D., C.M., *Professor of Principles and Practice of Medicine and Clinical Medicine.*
- G. B. SMITH, M.D., C.M., *Professor of Pharmacy and Therapeutics.*
- J. MACCALLUM, B.A., M.D., C.M., *Professor of Ophthalmology and Otology.*
- H. T. MACHELL, M.B., *Professor of Obstetrics.*
- N. A. POWELL, M.D., C.M., *Professor of Surgery.*
- G. S. CLELAND, M.B., *Assistant-Professor of Anatomy and Demonstrator in Anatomy.*
- B. E. MCKENZIE, B.A., M.D., C.M., *Lecturer on Applied Anatomy and Assistant-Professor of Surgery (Orthopedics).*
- R. S. TYRRELL, M.B., *Professor of Medical Jurisprudence.*
- G. CHAMBERS, B.A., M.B., *Associate-Professor of Clinical Medicine and Professor of Diseases of the Skin.*



- LELIA A. DAVIS, M.B., *Lecturer on Histology.*
- JENNIE GRAY, M.D., C.M., *Associate-Professor of Gynaecology.*
- R. J. DWYER, *Lecturer on Nervous Diseases.*
- A. B. EADIE, M.D., C.M., *Professor of Physiology and Biology.*
- IDA W. LYND, M.D., C.M., *Lecturer on Materia Medica.*
- CHARLES B. SHUTTLEWORTH, M.D., C.M., *Lecturer in Clinical Surgery.*
- W. J. WILSON, M.B., *Lecturer on Sanitary Science.*
- HAROLD C. PARSONS, B.A., M.D., C.M., M.R.C.S., Eng., L.R.C.P., Lond.,  
*Professor of Pathology and Clinical Microscopy.*
- E. LELIA SKINNER, M.B., *Assistant in Anatomy, Demonstrator in Obstetrics.*
- W. J. MCCOLLUM, M.B., *Professor of Chemistry and Toxicology.*
- B. Z. MILNER, M.D., C.M., *Lecturer on Clinical Surgery.*
- JEAN MCD. WILLSON, M.B., *Registrar of the Faculty, Lecturer on Medical Psychology.*
- G. SILVERTHORNE, M.B., *Lecturer on Surgery and Clinical Surgery.*
- W. MCKEOWN, B.A., M.D., C.M., M.R.C.S., Eng., *Lecturer on Clinical Surgery.*
- S. H. WESTMAN, M.B., *Lecturer in Inorganic Chemistry and Physics.*
- R. G. D. HUME, M.D., C.M., *Laboratory Assistant in Pathology and Bacteriology.*
- MINERVA M. GREENAWAY, M.D., C.M., Trin., *Lecturer in Physiology, Assistant in Anatomy.*
- CHAS. J. COPP, M.D., C.M., Trin., M.R.C.S. Eng., L.R.C.P. Lond.,  
*Demonstrator in Practical Chemistry.*
- WM. HUNTER PIERSOL, B.A., M.B., Tor., *Demonstrator in Physics.*
- MARGARET MACCALLUM, M.D., C.M., Trin., *Assistant in Anatomy.*
- HELEN MACMURCHY, M.D., C.M., Trin., M.B., Tor., *Assistant in Anatomy, Lecturer in Medicine.*
- EDITH M. CURZON, B.A., Tor., *Lecturer in Inorganic Chemistry.*

## Royal College of Dental Surgeons of Ontario.

This institution was incorporated in 1868, with power to examine and issue license to practise as a dentist in the Province. In connection with the College a School of Dentistry was established in 1875 for the instruction of students in their professional work.

### The Faculty.

- J. BEANSTON WILLMOTT, D.D.S., M.D.S., Dean of the Faculty, *Professor of Dental Pathology, Operative Dentistry and Dental Prosthetics.* 96 College Street.
- LUKE TESKEY, L.D.S., M.D., C.M., M.R.C.S., Eng. (*Surgeon to Toronto General Hospital*), *Professor of Principles and Practice of Medicine and Surgery, as applied to Dentistry.*
- W. T. STUART, M.D., C.M. (*Professor of Chemistry, Trinity Medical School*), *Professor of Chemistry.*
- W. EARL WILLMOTT, L.D.S., D.D.S., *Professor of Clinical Dentistry and Technique, and General Superintendent.*
- A. W. THORNTON, L.D.S., D.D.S., *Professor of Crown and Bridge Work.*
- A. PRIMROSE, M.B., C.M., Edin., M.R.C.S., Eng. (*Professor of Anatomy, Director of the Anatomical Department, University of Toronto*), *Professor of Visceral Anatomy and Physiology.*
- JOHN J. MACKENZIE, B.A. (*Professor of Pathology, University of Toronto*), *Professor of Histology, Bacteriology, and Comparative Dental Anatomy.*
- H. CLARK, L.D.S., D.D.S., *Professor of Dental Materia Medica and Therapeutics.*
- W. T. STUART, M.D.C.M., *Professor of Anatomy.*
- A. E. WEBSTER, L.D.S., D.D.S., M.D., *Professor of Orthodontia.*
- J. B. WILLMOTT, D.D.S. M.D.S., *Lecturer on Dental Jurisprudence.*
- J. F. ROSS, L.D.S., D.D.S., *Instructor in Porcelain.*

- A. E. WEBSTER, L.D.S., D.D.S., M.D., *Demonstrator of Operative Dentistry, Operative Technique and Orthodontia.*
- F. N. G. STARR, M.B., A. R. GORDON, M.B., *Demonstrators of Anatomy.*
- W. C. TROTTER, B.A., L.D.S., D.D.S., *Demonstrator of Practical Chemistry.*
- E. C. ABBOTT, L.D.S., D.D.S., G. G. HUME, L.D.S., D.D.S., *Demonstrators in the Infirmary.*
- THOS. HENDERSON, M.D.S., D.D.S., *Instructor in Nitrous Oxide.*
- F. D. PRICE, L.D.S., D.D.S., *Instructor in Electro-Therapeutics.*
- W. E. WILLMOTT, D.D.S., *Superintendent.*  
College Building, 93 College Street, Toronto.

The Royal College of Dental Surgeons was affiliated with the University of Toronto in 1888, and shortly thereafter an examination for the degree of Doctor of Dental Surgery was instituted in the University. For curriculum, see p. 284.

## Ontario College of Pharmacy.

The Council of the College of Pharmacy, the bi-ennially elected governing body of the practising pharmacists of the Province of Ontario, began in 1882 to give instruction in the various subjects necessary for license for druggists. The College building, situated in St. James' Square, was erected in 1886, and the Faculty re-organized and extensive additions made to the building in 1891. In the same year affiliation was entered into with the University of Toronto. For curriculum, see p. 287. For details as to laboratory and other courses, preliminary qualifications, etc., see Annual Announcement of the College, which may be had by addressing Isaac T. Lewis, Registrar-Treasurer, Ontario College of Pharmacy, Toronto, Ontario.

### The Faculty.

CHARLES F. HEEBNER, PH.G. (N.Y.), PHM.B. (Tor.), *Dean,  
Professor of Pharmacy, Pharmaceutical Chemistry and Dispensing,  
Director of Pharmaceutical Laboratory.*

J. T. FOTHERINGHAM, B.A., M.B. (Tor.), M.D., C.M. (Trin.), *Professor  
of Materia Medica and Pharmacognosy.*

GRAHAM CHAMBERS, B.A., M.B. (Tor.), *Professor of Chemistry, Physics  
and Toxicology.*

PAUL L. SCOTT, M.B. (Tor.), *Lecturer on Botany.*

WALTER B. KENDALL, PHM. B. (Tor.), *Demonstrator of Pharmacognosy.*

GEORGE A. EVANS, PHM.B. (Tor.), *Demonstrator of Practical Chemistry.*

## Ontario Agricultural College.

The institution known as the "Ontario Agricultural College and Experimental Farm" is situated about a mile to the south of the city of Guelph, in the centre of an extensive agricultural and noted stock-raising district, readily accessible by rail from all parts of the Province. The farm consists of 550 acres, about 400 of which are cleared. It is composed of almost every variety of soil, and hence is well suited for the purpose for which it was selected.

The instruction given at the institution is embraced under two heads, a course of study and a course of apprenticeship. The latter is required of all First and Second year students in the autumn, winter and spring terms, during which they are employed in rotation in each of six departments of practical farm labor. The regular course of study is for two years, at the end of which time an Associate Diploma is granted by the College.

Students who reach a certain standing in the theoretical and practical work of the Associate Course may remain two years longer, with a view to obtaining the degree of Bachelor of the Science of Agriculture (B.S.A.) in the University of Toronto, with which Institution the Agricultural College has been affiliated for advanced examinations and degrees since 1888.

For curriculum, see page 289.

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### Staff.

JAMES MILLS, M.A., LL.D., *President.*

C. A. ZAVITZ, B.S.A., *Director of Field Experiments.*

H. H. DEAN, B.S.A., *Professor of Dairy Husbandry.*

J. H. REED, V.S., *Professor of Veterinary Science.*

J. B. REYNOLDS, B.A., *Professor of Physics and Lecturer in English.*

G. E. DAY, B.S.A., *Professor of Agriculture and Farm Superintendent.*



- WM. LOCHHEAD, B.A., M.S., *Professor of Biology and Geology.*  
H. L. HUTT, B.S.A., *Professor of Horticulture.*  
F. C. HARRISON, B.S.A., D.P.H., *Professor of Bacteriology.*  
R. HARCOURT, B.S.A., *Professor of Chemistry.*  
M. W. DOHERTY, B.S.A., M.A., *Associate-Professor of Biology.*  
W. P. GAMBLE, B.S.A., *Associate-Professor of Chemistry.*  
M. CUMMING, B.A., B.S.A., *Associate-Professor of Animal Husbandry.*  
W. J. RUTHERFORD, *Instructor in English and Mathematics and Dean of Residence.*  
H. STREIT, D.V.M., *Assistant in Bacteriology.*  
W. C. GCOD, B.A., *Assistant in Chemistry.*  
ALICE ROWSOME, B.A., *Instructor in French and German, and Assistant in Library.*  
W. R. GRAHAM, B.S.A., *Manager and Instructor in Poultry Department.*  
G. A. MCCALLA, B.S.A., *Fellow in Physics.*  
T. JARVIS, B.S.A., *Fellow in Biology.*  
P. HODGETTS, B.S.A., *Fellow in Horticulture.*  
H. R. ROWSOME, *Lecturer in Apiculture.*  
CAPTAIN W. CLARK, *Instructor in Drill and Gymnastics.*  
B. S. PICKETT, *Secretary.*  
S. SPRINGER, *Bursar.*

## The Toronto College of Music.

The Toronto College of Music, situated on Pembroke street, was incorporated in 1890, and was affiliated with the University of Toronto in the same year. A curriculum for examinations and Degree in Music in the University has been instituted (see p. 297). The course of study for graduation extends over a period of three years. For further particulars see the Annual Announcement of the College.

### Teaching Staff.

*Piano*—F. H. TORRINGTON, Mus. Doc., W. E. FAIRCLOUGH, F.R.C.O., T. C. JEFFERS, Mus. Bac., F. S. WELSMAN, MRS. SULLIVAN-MALLON, MRS. FRED. LEE, MRS. R. A. HOWSON, H. M. MARTIN, Mus. Bac., ETHEL HUSBAND, Mus. Bac., ALICE E. MANSFIELD, Mus. Bac., MABEL TAIT, ELEANOR KENNEDY, FLORENCE GRAHAM, JENNIE HAMILTON, LILLIAN LANDELL, EUGENIE MAXWELL, GEO. D. ATKINSON, FLORENCE TURNER, LAURA BRODIGAN, E. H. MOCKRIDGE, SCOTTIE ARNOTT, R. G. STAPELLS, PERCY S. HOOK, LILLIAN PORTER, GERTRUDE ANDERSON, CECILE WILLIAMSON, E. ADÈLE BARNARD, CONSTANCE VEITCH.

*Organ*—F. H. TORRINGTON, Mus. Doc., W. E. FAIRCLOUGH, F.R.C.O., T. C. JEFFERS, Mus. Bac., MRS. R. A. HOWSON, GEO. D. ATKINSON, R. G. STAPELLS.

*Vocal*—F. H. TORRINGTON, Mus. Doc., T. C. JEFFERS, Mus. Bac., J. D. RICHARDSON, MISS FLORENCE GRAHAM, MRS. BROKOVSKI SMALL, MRS. R. A. HOWSON, ANNA WATSON-BEWELL, URSULA ARCHER, LILLIAN KIRBY, MARGARET NELSON, V. B. SMITH.

*Theory*—F. S. WELSMAN, W. E. FAIRCLOUGH, F.R.C.O., T. C. JEFFERS, Mus. Bac., MISS MANSFIELD, Mus. Bac., GEO. D. ATKINSON, MRS. R. A. HOWSON.

*Kindergarien Music*—HULDA WESTMAN, HANNAH HEAKES, LIBBIE WILLIAMS, ROSE DRAYTON.

*Violin*—F. C. SMITH, W. J. LONG, W. DONVILLE, ADELE FLEURY.

*Viola*—W. J. OBERNIER.

*Violoncello*—HILDA RICHARDSON DAWSON, J. JARVIS KENNEDY.

*Contra Basso*—J. GOWAN.

*Flute and Piccolo*—JOHN ROBSON.

*Oboe*—J. ALLEN.

*Clarionet*—H. CLARKE.

*Bassoon, Bass Clarionet*—R. F. WILKES.

*Cornet and Trumpet*—J. WALDRON.

*Horn*—E. SPACEY.

*Slide Trombone*—J. SLATER.

*Euphonium and Tuba*—T. JONES.

*Tympani and Percussion Instruments*—C. RIDDY.

*Harp*—MRS. SULLIVAN MALLON.

*Mandolin, Guitar, Banjo*—GEO. SMEDLEY, Director College Ladies' Mandolin and Guitar Club.

*Quartette and Ensemble Playing*—F. H. TORRINGTON, Mus. Doc.

*Orchestral and Band Playing, and the Art of Conducting*—F. H. TORRINGTON, Mus. Doc., J. WALDRON.

*Church Music, Oratorio, Choir and Chorus Practice*—F. H. TORRINGTON, Mus. Doc., T. C. JEFFERS, Mus. Bac., W. E. FAIRCLOUGH, F.R.C.O.

*Musical History, Solfeggio and Sight Singing*—T. C. JEFFERS, Mus. Bac.

*The Art of Accompanying*—F. H. TORRINGTON, Mus. Doc.

*Elocution, Voice Oratory, Dramatic Art and Physical Culture*—MABEL C. HALL, EMA SCOTT-RAFF, SARA BICKELL, FRANK KENNEDY, PEARL REESOR.

## Toronto Conservatory of Music.

The Toronto Conservatory of Music, incorporated in 1886, is affiliated with the University of Toronto, and its buildings are situated at the corner of College street and University avenue.

Each season of forty weeks opens on September 1st, and closes with the following June. The courses of study for graduation extend over a period of three or more years, according to the proficiency of the student. Students are prepared for University Examinations leading to degrees in Music. According to the terms of affiliation existing between the Conservatory of Music and the University of Toronto, students who have passed the First and Second Examinations in Theory will be exempted from the First University Examination; and students holding the Theory Diploma of the Conservatory will be exempted from the First and Second University Examinations in Music. For particulars of these examinations see the curriculum, page 297, of this Calendar.

### Teaching Staff.

DR. EDWARD FISHER, J. D. A. TRIPP, A. S. VOGT, J. W. F. HARRISON, W. J. McNALLY, EVA E. JANES, DONALD HERALD, A.T.C.M., MAUD GORDON, A.T.C.M., SARA E. DALLAS, F.T.C.M., Mus. Bac., FRANCIS S. MORRIS, A.T.C.M., MRS. J. L. NICHOLS, EDITH MYERS, A.T.C.M., MRS. ADELYN V. PARADIS, ANNIE JOHNSON, A.T.C.M., MRS. M. B. HEINRICH, EDMUND HARDY, F.T.C.M., Mus. Bac., NAPIER N. DURAND, F.T.C.M., OLA V. WILKINSON, A.T.C.M., BESSIE B. BURGAR, ISABEL CHRISTIE, A.T.C.M., BESSIE COWAN, MABEL O'BRIEN, GRACE EMMETT, ALICE L. EVANS, ETHEL ROLLS, MADELINE SCHIFF, ELIZABETH CUNNINGTON, ETHEL MORRIS, RACHAEL E. A. WILSON, *Pianoforte*.

EDITH MYERS, A.T.C.M., and MRS. ADELYN V. PARADIS, *Kindergarten Music*.

A. S. VOGT, ALBERT HAM, Mus. Doc. (Trinity College, Dublin), F.R.C.O. (Eng.), L.T.C. (Lon.), J. W. F. HARRISON, T. ARTHUR BLAKELEY, SARA E. DALLAS, F.T.C.M., Mus. Bac., JESSIE C. PERRY, A.T.C.M., F. ARTHUR OLIVER, EDITH C. MILLER, *Organ*.

RECHAB TANDY, ALBERT HAM, Mus. Doc., MRS. SUSIE RYAN-BURKE,  
MRS. NORMA REYNOLDS-REBURN, A.T. CRINGAN, Mus. Bac., MRS. J.  
W. BRADLEY, ELLA WALKER, MARY E. NOLAN, BEATRICE WILSON,  
MRS. H. W. PARKER, A.T.C.M., DORA MCMURTRY, ANNIE HALL-  
WORTH, A.T.C.M., S. MAJORIE RATCLIFFE, A.T.C.M., *Singing*.

J. HUMFREY ANGER, Mus. Bac. (Oxon.), F.R.C.O. (Eng.), A. T. CRINGAN,  
Mus. Bac., *Musical Theory, Harmony, Counterpoint, Canon and*  
*Fugue, Form in Composition, Instrumentation, Acoustics, etc.*

MRS. B. DRECHSLER ADAMSON, H. KLINGENFELD, FRANK E. BLACHFORD,  
LENA M. HAYES, A.T.C.M., RUBY D. AKIN, *Violin or Viola*.

HENRY S. SAUNDERS, *Violoncello*.

Best available teachers for all orchestral instruments.

SANDFORD LEPPARD, *Pianoforte Tuning*.

L. N. WATKINS, *Guitar, Mandolin and Banjo*.

MISS LILLIE COTTAM, *Mandolin*.

S. H. PRESTON, A. T. CRINGAN, Mus. Bac., *Sight-Singing, Rudiments of*  
*Music, Elementary Musical Theory and Public School Music*.

W. H. SHERWOOD, *Examiner in Pianoforte*.

INEZ NICHOLSON-CUTTER, *School of Literature and Expression*.

JAMES L. HUGHES, *Pedagogy*.

EMILY BELINDA CORNISH, M.A., *Literary Interpretation*.

GRACE ROBARTS, *Head of Domestic Art*.

GRACE H. HUNTER, B.A., *English*.

EVELYN WARD, *History*.

GERTRUDE DAVIES, *Literary Interpretation*.

BESSIE M. DAVIS, *Physical Culture*.

Lectures on Musical History and Biography, Æsthetics of Music,  
Analysis of Classical Works, Acoustics, Anatomy and Hygiene of the  
Vocal Organs, Health Principles and other relevant subjects are deliv-  
ered during the session.



## Ontario Veterinary College.

This institution was established in 1862, for the purpose of providing facilities for instructing in Veterinary Science. After various changes in buildings and equipment, necessitated by the increasing number of students, the present College building, situated at 40 Temperance street, was erected in 1889. Affiliation with the University of Toronto took place in 1897. A curriculum of study leading to a degree is under consideration by the Senate.

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### The Faculty.

PROFESSOR ANDREW SMITH, V.S., Edin., F.R.C.V.S., and HON. ASS.

R.C.V.S. (Principal), *Diseases of Domesticated Animals.*

GRAHAM CHAMBERS, B.A., M.D., *Veterinary Materia Medica,*

JOHN A. AMYOT, M.B., *Animal Physiology.*

PROFESSOR ANDREW SMITH, V.S., and ASSISTANTS, *Clinical Instructors.*

W. J. O. MALLOCH, B.A., M.B., *Chemistry.*

J. T. DUNCAN, M.D., V.S., HON. ASS. R.C.V.S., *Anatomy.*

D. KING SMITH, M.B., *Pathology and Normal Histology.*

C. H. SWEETAPPLE, V.S., *Veterinary Obstetrics and Diseases of Cattle.*

D. KING SMITH, M.B., *Practical Microscopy and Bacteriology.*



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## APPENDIX

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## The University of Toronto.

### REGISTER OF STUDENTS, 1902-1903.

#### A.

#### Faculty of Arts.

#### Candidates for Ph.D.

##### University of Toronto.

|                          |           |                        |          |
|--------------------------|-----------|------------------------|----------|
| Benson, Miss C. C., B.A. | Port Hope | Downing, Miss M., B.A. | Fournier |
| Burwash, E. M. J., B.A.  | Toronto   | Lehmann, C., B.A.      | Toronto  |
| Burton, E. F., B.A.      | Toronto   | McNairn, W. H., M.A.   | Toronto  |
| Carson, C. M., B.A.      | London    | Robinson, T. R., M.A.  | Toronto  |

##### University College.

|                    |         |                     |           |
|--------------------|---------|---------------------|-----------|
| Eakin, T., M.A.    | Guelph  | Taylor, W. E., B.A. | St. Marys |
| McRae, C. A., B.A. | Toronto |                     |           |

#### Graduate Students.

\* Indicates that the student attended in the Michaelmas term only; † in the Easter term only; ‡ dispensation during the session.

|                             |                |                                |           |
|-----------------------------|----------------|--------------------------------|-----------|
| Adams, A. A., B.A.          | Toronto        | Mallock, W. J. O., B.A., M.B.  |           |
| Armstrong, A. E., B.A.      | Toronto        |                                | Toronto   |
| Chase, R. M., B.A.          | Orillia        | Marshall, Miss M. E., B.A.     | Toronto   |
| Cooper, G., B.A.            | Toronto        | May, Miss A., B.A.             | Toronto   |
| † Creighton, Miss E., B.A.  | Toronto        | Millman, R. M., B.A.           | Toronto   |
| Davidson, D. J., B.A.       | Belhaven       | Moir, A.                       | Dunnville |
| Hamilton, A. E., B.A.       | Toronto        | Oliver, E. H., B.A.            | Chatham   |
| Harvey, A. L., B.A.         | Lansing, Mich. | † Van Wyck, J. R., B.A.        | Toronto   |
| Hendrick, A. C., B.A., M.B. |                | Westman, S. H., M.B.           | Toronto   |
|                             | Toronto        | Wicher, Miss F. M., B.A.       | Toronto   |
| Howard, A. L., B.A.         | Toronto        | Woolryche, Miss H. G. B., B.A. |           |
| Hunter, J. H., B.A.         | Toronto        |                                | Toronto   |

## Fourth Year.

|                                |                   |
|--------------------------------|-------------------|
| Allan, C. J. ....              | Guelph            |
| †Amos, W. A. ....              | Woodstock         |
| Armstrong, C. H. ..            | Campbellford      |
| †Ashworth, E. M. ....          | Toronto           |
| Baird, W. J. ....              | Wick              |
| Bell, H. C. ....               | Hamilton          |
| Briggs, Miss A. M. ....        | Toronto           |
| Broadfoot, F. W. ....          | Guelph            |
| Brown, A. G. ....              | Caledonia         |
| Brown, Miss F. E. E. ....      | Toronto           |
| Breuls, Miss L. M. ....        | Sydenham          |
| Cameron, Miss R. H. ....       | Toronto           |
| Carr, H. ....                  | Oshawa            |
| Carter, G. W. ....             | Guelph            |
| Clarke, C. E. ....             | Toronto           |
| Cohen, A. ....                 | Toronto           |
| Colquhoun, C. M. ....          | Morrisburg        |
| Creighton, Miss J. A. ....     | Toronto           |
| Dalton, Miss F. E. ....        | Toronto           |
| Darling, H. M. ....            | Schenectady, N.Y. |
| Day, W. H. ....                | Powle's Corners   |
| De la Roche, Miss M. ....      | Toronto           |
| DeLury, R. E. ....             | Manilla           |
| Dickson, Miss E. M. ....       | Seaforth          |
| *Dickson, Miss J. G. ....      | Seaforth          |
| Dixon, W. E. ....              | Milton            |
| Doidge, W. G. ....             | Toronto           |
| Douglas, C. ....               | Listowel          |
| Dwyer, Miss M. J. ....         | Toronto           |
| File, L. K. ....               | Ameliasburg       |
| Fleming, Miss C. S. A. ....    | Markham           |
| Fletcher, Miss B. L. R. ....   | Whitby            |
| Fleury, Miss V. ....           | Toronto           |
| †Forrester, D. ....            | Aberdour          |
| Fortner, Miss T. ....          | Welland           |
| Fraser, Miss J. A. ....        | St. Thomas        |
| Gaby, R. E. ....               | Toronto           |
| Gibson, J. G. ....             | Hamilton          |
| Gillies, D. B. ....            | St. Thomas        |
| Gladney, E. M. ....            | Marmora           |
| Glass, Miss E. M. K. ....      | Toronto           |
| Graham, T. W. ....             | Ottawa            |
| Green, Miss R. ....            | Toronto           |
| Hay, E. A. ....                | Paisley           |
| Hendrie, W. E. ....            | London            |
| Hill, H. D. ....               | St. Thomas        |
| Honeywell, A. E. ....          | Mosgrove          |
| Hoyles, H. L. ....             | Toronto           |
| Hughes, E. F. ....             | Clarke            |
| Hunter, H. T. ....             | Toronto           |
| †Jennings, E. W. ....          | West Flamboro     |
| Johnson, Miss L. B. ....       | Strathroy         |
| Kerr, H. L. ....               | Toronto           |
| Killmaster, F. G. ....         | Port Rowan        |
| Kingston, W. F. ....           | Aylmer            |
| Livingston, W. W. ....         | Listowel          |
| Loeser, I. N. ....             | Toronto           |
| Lorrimer, J. G. ....           | Thorold           |
| Loudon, J. D. ....             | Toronto           |
| Lough, Miss M. C. ....         | Clinton           |
| Luke, I. G. ....               | Toronto           |
| Meek, T. J. ....               | Port Stanley      |
| Megan, F. P. ....              | Stratford         |
| Miller, F. R. ....             | Toronto           |
| Millichamp, Miss M. G. ....    | Toronto           |
| Mode, A. T. ....               | Vankleek Hill     |
| Morris, A. W. ....             | Algonac, Mich.    |
| Morrison, W. ....              | Hamilton          |
| Munn, F. J. ....               | Toronto           |
| Munro, F. R. ....              | Auburn            |
| McBain, J. W. ....             | Port Dover        |
| McCutcheon, Miss E. L. F. .... | Thorndale         |
| MacDonald, Miss M. ....        | Walton            |
| McDougall, M. ....             | Ottawa            |
| McEvoy, J. A. ....             | L'Orignal         |
| McGarry, Miss M. L. ....       | St. Catharines    |
| McGiffin, G. A. ....           | Toronto           |
| McGuire, W. H. ....            | Campbellford      |
| McKay, R. G. ....              | Kintore           |
| MacKay, W. M. ....             | Thamesford        |
| †McKinnon, C. ....             | Port Elgin        |
| McLeod, Miss C. B. ....        | Fort William      |
| McNeil, H. M. ....             | Toronto           |
| McQueen, J. M. ....            | Salem             |
| Nelles, R. B. ....             | Toronto           |
| Ness, Miss W. I. ....          | St. Paul, Minn.   |
| New, C. W. ....                | Hamilton          |
| Nichol, W. ....                | Priceville        |
| Odell, W. H. ....              | Belmont           |
| O'Flynn, H. W. ....            | Madoc             |
| Parsons, H. C. ....            | Toronto           |
| Pringle, Miss E. G. ....       | Whitby            |
| †Pearson, Miss A. H. ....      | Toronto           |
| Rae, Miss E. G. ....           | Toronto           |
| Read, E. R. ....               | Brantford         |
| Reid, J. E. ....               | Ospringle         |
| Reikie, T. T. ....             | Toronto           |
| Robertson, G. A. ....          | Mount Brydges     |
| Robinson, T. J. ....           | Seaforth          |
| Ross, J. C. ....               | Embro             |
| Russell, C. H. ....            | Exeter            |
| Schelter, J. L. ....           | Hamilton          |
| Seldon, Miss E. G. ....        | Toronto           |
| Seldon, Miss L. M. ....        | Toronto           |
| Sexsmith, W. N. ....           | Glencoe           |
| †Smith, W. H. ....             | Beachville        |
| Sprung, W. L. ....             | Hilton            |
| Stalker, Miss L. W. ....       | Toronto           |
| Summers, Miss E. ....          | Toronto           |



## Fourth Year—Continued.

|                            |            |                            |           |
|----------------------------|------------|----------------------------|-----------|
| Sutherland, J. W. ....     | London     | Wallace, H. G. ....        | Toronto   |
| Sutherland, Miss N. A. ..  | Toronto    | Watson, J. L. ....         | Tara      |
| Thomson, Andrew ....       | Owen Sound | Weir, Miss E. H. ....      | Toronto   |
| Thomson, Arthur ....       | Bendale    | Wilkie, W. M. ....         | Toronto   |
| Thomson, J. C. ....        | Owen Sound | Wilson, Miss M. A. ....    | Toronto   |
| Treadgold, W. N. ....      | Brampton   | Wilson, Miss R. E. A. .... | Toronto   |
| Waddell, Miss M. E. G. ... | Orono      | Younie, J. A. ....         | Woodstock |

## Third Year.

|                            |                |                               |                    |
|----------------------------|----------------|-------------------------------|--------------------|
| Allan, Miss M. W. ....     | Toronto        | Greig, W. C. ....             | Almonte            |
| Anderson, Miss J. I. ....  | London         | Grobb, R. B. ....             | St. Catharines     |
| Andrews, W. H. ....        | Toronto        | Grosch, S. P. ....            | Milverton          |
| Baird R. ....              | Wick           | Guest, H. B. ....             | Goderich           |
| Ballard, G. W. M. ....     | Hamilton       | Gundry, A. P. ....            | Aylmer             |
| †Bauer, Miss B. T. ....    | Hamilton       | †Hardy, E. ....               | Toronto            |
| Baxter, Miss E. ....       | Toronto        | Harrison, W. N. ....          | Glencoe            |
| Biggs, R. L. ....          | Toronto        | Hayes, E. T. ....             | Beeton             |
| †Biggs, S. P. ....         | Toronto        | †Herity, J. O. ....           | Moir               |
| Brown, Miss E. E. ....     | Bloomfield     | Hindson, Miss A. M. ....      | Toronto            |
| Bryce, G. P. ....          | Bracondale     | Hogg, A. B. ....              | Toronto            |
| Buck, Miss H. G. ....      | Lindsay        | Hull, J. D. ....              | Guysborough, N.S.  |
| Chapman, Miss H. ....      | Toronto        | Jacques, W. C. ....           | Port Rowan         |
| Clark, Miss E. ....        | Toronto        | James, W. G. ....             | Lawrencetown, N.S. |
| Clark, G. T. ....          | Campbellford   | Kerr, Miss A. I. ....         | Toronto            |
| Coleman, L. C. ....        | Spokane, Wash. | King, W. H. ....              | Oshawa             |
| Collins, H. E. ....        | St. Catharines | Latter, Miss H. M. ....       | Doncaster          |
| Collins, W. H. ....        | Chatsworth     | Lloyd, S. J. ....             | Hamilton           |
| Cooke, Miss D. J. ....     | Toronto        | Loudon, Miss I. M. ....       | Toronto            |
| Crampton, Miss D. M. ...   | Windsor        | Lowish, F. H. ....            | Lakelet            |
| Creelman, J. J. ....       | Montreal       | Mather, J. W. ....            | Weston             |
| Currie, L. H. ....         | Nottawa        | Menten, Miss M. L. ....       | Harrison, B.C.     |
| Davidson, A. G. ....       | Avonton        | Moir, Miss M. I. ....         | Toronto            |
| Dawes, H. F. ....          | Woodstock      | Montague, P. J. ....          | Hamilton           |
| Dickson, E. C. ....        | Orillia        | Moore, E. S. ....             | Clarksburg         |
| Dix, D. ....               | Woodbridge     | Moore, H. C. ....             | Delhi              |
| Doherty, G. F. B. ....     | St. Thomas     | Moore, J. M. ....             | Sault Ste. Marie   |
| Duncan, Miss K. M. ....    | Thamesville    | Mich Morrish, Miss C. W. .... | Toronto            |
| Dunlop, H. E. ....         | Ottawa         | †Munro, Miss M. K. ....       | Toronto            |
| Dushman, S. ....           | Toronto        | †Murdock, W. E. ....          | Carluke            |
| Eedy, L. A. ....           | St. Thomas     | McAllister, A. R. ....        | Cobourg            |
| Elliott, G. R. ....        | London         | McClive, Miss A. H.,          | St. Catharines     |
| Emery, J. W. ....          | New Sarum      | McCurdy, Miss H. R. ....      | Toronto            |
| Fairty, I. S. ....         | Toronto        | McCurdy, Miss I. R. ....      | Toronto            |
| Fawcett, T. A. ....        | Port Dover     | †McCurdy, Miss S. W. ....     | Toronto            |
| Filshie, Miss M. W. ....   | Mount Forest   | McCutcheon, Miss M. M. C.     | Thorndale          |
| Fleming, R. S. ....        | Kilsyth        |                               |                    |
| Foulds, A. ....            | Toronto        | McFarlane, J. B. ....         | Claremont          |
| Galt, Miss L. ....         | Toronto        | McGarvin, M. J. ....          | Chatham            |
| Gibson, Miss E. F. ....    | Cayuga         | McGill, Miss E. M. ....       | Ottawa             |
| Gilbert, W. E. ....        | Southampton    | McGregor, D. C. ....          | Johnson            |
| Gilechrist, L. ....        | Chatsworth     | McIntyre, E. A. ....          | Toronto            |
| Gillespie, Miss E. P. .... | Pittsburg, Pa. | McKee, G. W. ....             | Oldcastle          |
| Goldie, T. L. ....         | Guelph         | McKinley, Miss C. B. ...      | Seaford            |

## Third Year—Continued.

|                               |                |                                   |             |
|-------------------------------|----------------|-----------------------------------|-------------|
| McLachlan, Miss C. F. . . . . | Toronto        | Snively, A. C. . . . .            | Toronto     |
| McMurtry, Miss C. N. . . . .  | Toronto        | Staunton, Miss H. A. . . . .      | Toronto     |
| McQuesten, T. B. . . . .      | Hamilton       | †Stewart, Miss E. M. . . . .      | Toronto     |
| Mactaggart, W. A. . . . .     | Nobleton       | Streight, Miss B. H. A. . . . .   | Islington   |
| Neff, Miss D. . . . .         | Ingersoll      | Tackaberry, W. H. . . . .         | Kemptville  |
| Neilson, Miss J. A. . . . .   | Calgary        | Tate, Miss M. E. . . . .          | Toronto     |
| †Nevitt, R. B. . . . .        | Toronto        | Taylor, P. . . . .                | Hamilton    |
| O'Leary, H. G. . . . .        | Lindsay        | Taylor, W. R. . . . .             | Port Dover  |
| Overend, F. C. . . . .        | Empire         | Thomson, Miss N. M. Owen Sound    |             |
| Park, T. D. . . . .           | Banks          | Thornton, P. B. . . . .           | Omeme       |
| Parker, J. G. . . . .         | Cayuga         | Tuckett, Miss E. C. . . . .       | Markham     |
| Pattison, Miss E. . . . .     | Toronto        | Urquhart, Miss M. M. . . . .      | Oakville    |
| Paulin, J. B. . . . .         | Arthur         | Vance, W. H. . . . .              | Ida         |
| Pickup, S. H. . . . .         | Elizabethville | Vanston, W. J. K. . . . .         | Sarnia      |
| Rankin, Miss A. B. . . . .    | Toronto        | †Van Koughnet, Miss E. M. . . . . | Toronto     |
| Ross, A. . . . .              | Sarnia         |                                   |             |
| Ross, A. G. . . . .           | Toronto        | Wallis, W. A. . . . .             | Toronto     |
| Ross, Miss D. J. . . . .      | Woodstock      | Wesley, T. M. . . . .             | Newmarket   |
| Rowan, F. W. . . . .          | Omeme          | White, J. H. . . . .              | Snelgrove   |
| Rowland, Miss E. . . . .      | Toronto        | Wilkie, Miss M. F. . . . .        | Toronto     |
| Sadleir, J. F. . . . .        | Strathroy      | Williams, W. R. . . . .           | Clandeboyne |
| Scott, G. F. . . . .          | Toronto        | Williman, W. L. . . . .           | Brantford   |
| Scott, W. . . . .             | Strathroy      | Wilson, A. D. . . . .             | Dundas      |
| Sharrard, J. A. . . . .       | Uxbridge       | Woodland, V. O. . . . .           | Ottawa      |
| Smith, J. A. . . . .          | Harriston      | Workman, J. G. . . . .            | Lindsay     |
| Smith, Miss L. M. . . . .     | Toronto        | Wright, Miss A. S. . . . .        | Britannia   |

## Second Year.

|                                   |               |                                |                |
|-----------------------------------|---------------|--------------------------------|----------------|
| Akers, Miss G. . . . .            | Toronto       | Carruthers, Miss G. M. . . . . | Avening        |
| Archibald, E. J. . . . .          | Clinton       | Colborne, Miss M. G. . . . .   | Goderich       |
| *Arms, Miss A. G. . . . .         | Toronto       | Cole, E. C. . . . .            | Toronto        |
| Armstrong, Miss M. G. . . . .     | Prince Albert | Coleman, J. R. . . . .         | Birr           |
|                                   |               | Conant, G. D. . . . .          | Oshawa         |
| Bagshaw, Miss E. C. . . . .       | Cannington    | Cooke, H. P. . . . .           | Uxbridge       |
| Baldwin, Miss G. C. . . . .       | Toronto       | Cooke, J. H. . . . .           | Toronto        |
| Balfour, G. B. . . . .            | Toronto       | †Cornell, Miss M. B. . . . .   | Scarboro'      |
| Barclay, W. P. . . . .            | Petrolea      | Cowan, D. J. . . . .           | Drumbo         |
| Beal, W. A. . . . .               | Toronto       | Cowan, Miss M. T. . . . .      | Drumbo         |
| Beatty, Miss E. . . . .           | Fergus        | Craig, A. C. . . . .           | Kenmore        |
| Bilkey, C. L. . . . .             | Toronto       | †Crystal, D. S. . . . .        | Toronto        |
| Bitzer, A. L. . . . .             | Berlin        | Cudmore, S. A. . . . .         | Brampton       |
| Black, J. N. . . . .              | Fergus        | Currie, J. . . . .             | Nottawa        |
| Black, W. H. . . . .              | Toronto       | Dallas, A. M. . . . .          | Thedford       |
| Boland, J. F. . . . .             | Toronto       | Davis, Miss M. . . . .         | King           |
| Boyd, E. . . . .                  | Toronto       | Davis, Miss B. M. . . . .      | Hamilton       |
| Bray, H. R. . . . .               | Nanaimo, B.C. | Deane, G. H. . . . .           | Lacombe, Alta. |
| †Brown, G. A. . . . .             | Meaford       | DeLury, J. S. . . . .          | Manilla        |
| Buchanan, Miss O. M. . . . .      | Goderich      | †Dickson, Miss M. B. . . . .   | Woodstock      |
| Callaghan, Miss M. B. . . . .     | Toronto       | Duncan, Miss E. A. . . . .     | Weston         |
| Cameron, A. C. . . . .            | Gibraltar     | Egbert, Miss E. . . . .        | Milverton      |
| Carpenter, Miss L. M. Collingwood |               | Elliot, Miss I. . . . .        | Toronto        |
| Carroll, Miss L. E. . . . .       | Toronto       | Ewing, Miss E. . . . .         | Hawkesbury     |
| Carruthers, A. L. . . . .         | Lucasville    | Fidlar, E. . . . .             | Toronto        |

## Second Year—Continued.

|                          |                     |                             |                  |
|--------------------------|---------------------|-----------------------------|------------------|
| †Foley, Mrs. E. J. ....  | Fallbrook           | McKay, A. G. ....           | Lucknow          |
| Forbes, J. M. ....       | Caledonia           | McKay, D. A. ....           | Kintore          |
| French, C. A. ....       | Mount Albert        | McKay, J. G. ....           | Ingersoll        |
| Gilchrist, D. A. ....    | Chatsworth          | McKay, W. J. ....           | Petrolea         |
| Gordon, J. W. ....       | Rockwood            | McKenna, Miss H. L. ....    | St. Thomas       |
| Gurney, E. H. ....       | Toronto             | McKenzie, Miss A. B. ....   | Ottawa           |
| Gzowski, N. G. ....      | Toronto             | MacKenzie, Miss S. C. ....  | Kirkfield        |
| Hally, Miss I. O. ....   | Toronto             | MacLean, N. D. ....         | Guelph           |
| Hamilton, G. P. ....     | Toronto             | McPhedran, W. F. ....       | Toronto          |
| Harrison, R. L. ....     | Grimsbey            | Nagle, C. F. ....           | St. Marys        |
| Haslam, H. L. ....       | Springfield, P.E.I. | Nairn, Miss I. ....         | Toronto          |
| Heighington, A. C. ....  | Toronto             | Newman, Miss L. E. ....     | St. Catharines   |
| Henderson, E. M. ....    | Toronto             | Oldright, Miss M. W. ....   | Toronto          |
| Heyd, C. G. ....         | Brantford           | Pentecost, Miss C. M. ....  | Toronto          |
| Hopkins, F. H. ....      | Lindsay             | Perry, R. J. W. ....        | Linton           |
| Hore, R. E. ....         | Toronto             | Phillips, T. A. ....        | Arthur           |
| Huntsman, A. G. ....     | Tintern             | Platt, Miss E. L. ....      | Toronto          |
| Hutton, W. W. ....       | Windsor             | Portch, A. G. ....          | Toronto          |
| Jackson, M. H. ....      | Cottam              | Preston, W. B. ....         | Brantford        |
| Jamieson, J. S. ....     | Clyde               | Rathbun, L. M. ....         | Deseronto        |
| Jennings, W. A. ....     | Toronto             | Read, R. C. ....            | Toronto          |
| Kay, J. R. ....          | Norwich             | Reid, Miss H. E. ....       | Orangeville      |
| Ketcheson, Miss B. ....  | Toronto             | Reid, Miss M. E. ....       | Tillsonburg      |
| Laing, J. M. ....        | Eden Mills          | Ryerson, Miss C. G. S. .... | Orillia          |
| Lancaster, H. M. ....    | Burgessville        | Scott, Miss M. E. ....      | Brantford        |
| Lane, W. P. ....         | Kinlough            | Sellery, Miss B. G. ....    | Kincardine       |
| Lemon, Miss M. ....      | Toronto             | Sherry, J. C. ....          | Norwood          |
| Lent, Miss E. W. ....    | Morpeth             | Sovereign, A. H. ....       | Woodstock        |
| Logan, Miss J. ....      | Niagara Falls       | Speirs, T. E. ....          | Mount Forest     |
| Love, Miss I. C. ....    | London              | Stark, N. B. ....           | Toronto          |
| Lucas, E. A. ....        | Kaslo, B.C.         | Steele, Miss F. E. ....     | Georgetown       |
| Magee, Miss P. A. ....   | Toronto             | †Stephen, Miss P. ....      | Toronto          |
| Manson, A. M. ....       | Kilmartin           | Stephenson, Miss N. M. .... | Wellington, B.C. |
| Mason, D. H. C. ....     | Toronto             | Stewart, A. C. ....         | Cobourg          |
| Matheson, D. ....        | Armow               | Stewart, J. A. ....         | Millarton        |
| Meador, F. D. ....       | Orillia             | Stewart, R. B. ....         | St. Thomas       |
| Miller, J. G. ....       | Greenbank           | Strang, Miss G. M. ....     | Goderich         |
| Moore, W. E. ....        | Toronto             | Strong, Miss M. K. ....     | Hamilton         |
| Morrison, E. ....        | Orillia             | Thompson, Miss F. A. ....   | Ingersoll        |
| Munro, J. D. ....        | Toronto             | Thompson, J. S. ....        | Pictou           |
| McAlpine, Miss M. ....   | Toronto             | Thomson, H. U. ....         | Owen Sound       |
| McCarthy, J. J. ....     | Hastings            | Upshall, B. A. ....         | Mayfield         |
| †McCausland, J. A. ....  | Brantford           | Waddell, R. R. ....         | Orono            |
| Macdonald, D. A. ....    | Hamilton            | Watt, F. T. ....            | Guelph           |
| Macdonald, W. B. ....    | Toronto             | Williams, V. H. ....        | Farnham, Que.    |
| MacDonald, W. D. ....    | Riverdale           | Wilson, S. ....             | Arden, Man.      |
| McElroy, R. W. ....      | Toronto             | Winnett, Miss M. B. ....    | Toronto          |
| McEvoy, A. N. ....       | Toronto             | Wood, L. A. ....            | London           |
| McGoey, J. ....          | Tottenham           | Wooster, Miss A. B. ....    | St. Thomas       |
| McHardy, Miss F. M. .... | Toronto             |                             |                  |

## First Year.

|                             |                |                             |                |
|-----------------------------|----------------|-----------------------------|----------------|
| Adie, Miss J. M. ....       | St. Catharines | Ferguson, Miss V. H. ....   | Toronto        |
| Allan, H. M. ....           | Perth          | Flock, F. A. ....           | Woodburn       |
| Allen, T. B. G. ....        | Toronto        | Foster, Miss I. E. ....     | Toronto        |
| Anderson, C. E. ....        | Oil Springs    | Francis, R. B. ....         | Mitchell       |
| Ashall, Miss F. M. ....     | Toronto        | Fraser, P. L. ....          | Winchester     |
| Baker, H. A. G. ....        | Oshawa         | Freeman, C. E. H. ....      | Hamilton       |
| Ballard, Miss E. L. ....    | Hamilton       | Galt, Miss A. S. ....       | Toronto        |
| Batten, J. W. ....          | Essex          | Gardiner, J. A. ....        | Leadbury       |
| Beattie, Miss M. B. ....    | Ridgetown      | Gearin, Miss L. ....        | Toronto        |
| Bell, I. R. ....            | Owen Sound     | Gibson, J. E. ....          | Newmarket      |
| Betts, H. H. ....           | London         | Gillespie, P. ....          | Toronto        |
| Beverley, A. R. ....        | Forest         | Gooderham, H. D. ....       | Toronto        |
| Blue, J. ....               | Tara           | Graeb, Miss M. ....         | Toronto        |
| Bornhold, J. F. ....        | Berlin         | Graham, H. C. ....          | Hamilton       |
| Breckon, Miss F. L. ....    | Waterdown      | Gray, G. C. ....            | Waubuno        |
| Brown, Miss M. R. ....      | Toronto        | Gray, G. L. ....            | Wingham        |
| Brown, P. G. ....           | Toronto        | Gray, J. ....               | Toronto        |
| Bryden, W. W. ....          | Galt           | Green, Miss I. A. ....      | St. Thomas     |
| Buchanan, Miss M. C. ....   | Zurich         | Guest, Miss E. A. ....      | Elginfield     |
| Buchanan, L. ....           | Kaslo, B.C.    | Gurofsky, Miss F. C. ....   | Toronto        |
| Burnham, Miss M. V. ....    | Toronto        | Hamilton, W. B. ....        | Londesborough  |
| Cadow, Miss E. M. ....      | Toronto        | Handy, Miss L. M. ....      | Ridgetown      |
| †Cain, W. ....              | Newmarket      | Harper, W. E. ....          | Marmion        |
| Carlisle, J. O. ....        | Toronto        | Harrison, F. C. ....        | Toronto        |
| Carrie, J. S. ....          | Goderich       | Hart, R. W. ....            | Toronto        |
| Carter, Miss F. V. ....     | Guelph         | Henderson, W. H. ....       | Rockton        |
| Chapple, W. E. ....         | Rat Portage    | Hofferd, G. W. ....         | Milverton      |
| Clark, A. F. B. ....        | Toronto        | Holmes, A. C. ....          | Georgetown     |
| Clark, J. A. ....           | Dundas         | Hunter, Miss C. B. ....     | Toronto        |
| Connor, A. J. ....          | Adelaide       | Ingram, A. A. ....          | St. Thomas     |
| Cruikshank, W. D. ....      | Hamilton       | Jackson, G. P. ....         | Toronto        |
| Dafoe, A. R. ....           | Madoc          | Jackson, S. J. ....         | Mono Mills     |
| Daly, H. A. ....            | Napanee        | Johnston, C. E. ....        | Sarnia         |
| Daly, R. A. ....            | Napanee        | Jones, C. A. ....           | Winnipeg, Man. |
| Davidson, A. T. ....        | Toronto        | Kemp, S. H. F. ....         | Forest         |
| Davidson, G. A. ....        | Toronto        | Keys, H. J. E. ....         | Toronto        |
| Davidson, R. E. ....        | Beachburg      | Kilgour, Miss E. ....       | Guelph         |
| Davis, L. E. ....           | London         | †Kirby, F. B. ....          | Toronto        |
| †Devlin, R. P. ....         | Ottawa         | Laing, Miss J. C. ....      | Toronto        |
| Dowling, F. S. ....         | Toronto        | Laird, J. M. ....           | Clinton        |
| Drader, Miss N. B. ....     | Lacombe, Alta. | Lang, Miss J. F. ....       | Toronto        |
| Duckworth, H. ....          | Hespeler       | Lang, J. ....               | Toronto        |
| Duncanson, R. ....          | Walton         | Langlois, H. G. ....        | Toronto        |
| Dunlop, Miss M. ....        | Goderich       | Larkin, H. J. ....          | Nobleton       |
| Dunn, C. ....               | Ingersoll      | Lash, J. F. ....            | Toronto        |
| Eaton, J. ....              | Owen Sound     | Lawler, Miss L. C. ....     | Whitby         |
| Edward, Miss M. L. ....     | Petrolea       | Lawson, J. H. ....          | Brampton       |
| Edwards, Miss G. ....       | Toronto        | Lazenby, C. A. ....         | Toronto        |
| Elliott, Miss L. C. ....    | Ingersoll      | Leacock, Miss E. M. M. .... | Toronto        |
| Ellis, A. W. M. ....        | Toronto        | Lemon, Miss S. J. ....      | Toronto        |
| Ewen, Miss E. A. ....       | Belleville     | Leslie, N. V. ....          | Hamilton       |
| Fairecloth, Miss E. A. .... | East Toronto   | Linton, A. P. ....          | Galt           |
| Farquharson, C. D. ....     | Chatham        | Little, G. A. ....          | Birr           |
| Farrant, H. ....            | Mitchell       | Lowrey, R. J. ....          | Queenston      |



## First Year—Continued.

|                                   |                |                                |                  |
|-----------------------------------|----------------|--------------------------------|------------------|
| Lucas, E. ....                    | Markdale       | Purdie, J. E. ....             | Shirlton, P.E.I. |
| Luttrell, H. R. ....              | Toronto        | Reid, F. A. ....               | Toronto          |
| Lyon, Miss V. ....                | Guelph         | Rice, A. G. ....               | Toronto Junction |
| Marshall, C. F. ....              | Kirkton        | Richardson, Mrs. A. M. .       | Toronto          |
| Martin, H. ....                   | Whitechurch    | Richardson, W. L. ....         | Toronto          |
| Martin, J. A. ....                | Toronto        | Ricker, A. C. ....             | Dunnville        |
| Megan, G. J. W. ....              | Stratford      | Robertson, L. B. ....          | Toronto          |
| Monk, G. B. ....                  | Cornwall       | Robertson, W. H. ....          | Toronto          |
| Mitchell, R. M. ....              | Toronto        | Robinson, A. R. ....           | Claude           |
| Morrow, E. L. ....                | Toronto        | †Ross, Miss E. E. ....         | Glamis           |
| Mulock, C. ....                   | Toronto        | Ross, K. G. ....               | Toronto          |
| Mullin, L. B. ....                | Toronto        | Sanderson, J. R. ....          | Toronto          |
| Murdock, Miss C. B. ....          | Sarnia         | Scott, H. B. E. ....           | Listowel         |
| Murphy, T. W. ....                | Hamilton       | Scott, W. ....                 | Malvern          |
| Murray, Miss J. L. ....           | Toronto        | Scully, H. D. ....             | Toronto          |
| Murray, J. R. G. ....             | Toronto        | Shearer, G. ....               | Toronto          |
| McCreery, J. R. ....              | Glencoe        | Shortreed, Miss M. H. .        | Toronto          |
| †McCurdy, D. G. ....              | Toronto        | Smith, Miss I. K. ....         | Oshawa           |
| Macdonald, Miss D. P. .           | Toronto        | Snively, S. C. ....            | Toronto          |
| McDonald, Miss K. M. .            | Tara           | Solway, L. J. ....             | Toronto          |
| MacDonald, M. ....                | Lanark         | Somerville, Miss E. M. .       | Toronto          |
| McElheran, R. B. ....             | London         | Spencer, L. B. ....            | Collingwood      |
| McGill, C. ....                   | Chatsworth     | Sprague, H. S. ....            | Belleville       |
| McKay, Miss E. M. ....            | Galt           | Squair, Miss M. C. ....        | Orono            |
| MacKenzie, K. C. ....             | Toronto        | *Stinson, T. H. ....           | Minden           |
| McKelvey, A. D. ....              | Brussels       | Stuart, A. ....                | Hamilton         |
| Mackey, J. F. ....                | Toronto        | Thompson, Miss D. ....         | Toronto          |
| McKim, Miss E. I. St. Johns, N.B. |                | Thompson, G. B. ....           | Toronto          |
| MacLachlan, J. ....               | Toronto        | Thompson, J. E. ....           | Thornton         |
| McLean, N. B. ....                | Burgoyne       | Tytler, W. H. ....             | Guelph           |
| McPherson, P. G. ....             | Bolsover       | Wallace, W. S. ....            | Toronto          |
| McRae, K. J. ....                 | Toronto        | Wallbridge, Miss H. M. Bowman- |                  |
| McTavish, Miss F. M. .            | Chesley        | .....ville                     |                  |
| McVannel, Miss J. ....            | St. Marys      | Warren, E. D. ....             | Toronto          |
| McVannel, Miss M. ....            | St. Marys      | Watson, S. ....                | Toronto          |
| O'Brien, Miss A. L. ....          | London         | Willinsky, A. ....             | Toronto          |
| O'Sullivan, Miss E. M. .          | Toronto        | Willmott, S. V. L. ....        | Toronto          |
| Paterson, R. H. ....              | Hamilton       | Woodhouse, C. ....             | Toronto          |
| Paulin, J. C. ....                | Chesley        | Young, L. D. ....              | Buffalo, N.Y.    |
| †Pickup, H. R. ....               | Elizabethville |                                |                  |

## Students in Arts—

|                            |     |
|----------------------------|-----|
| Candidates for Ph.D. ....  | 3   |
| Graduate Students ....     | 21  |
| Fourth Year Students ....  | 123 |
| Third Year Students ....   | 138 |
| Second Year Students. .... | 148 |
| First Year Students ....   | 186 |



## Victoria University.

## Graduate Students.

|                         |            |                            |             |
|-------------------------|------------|----------------------------|-------------|
| Breckon, E., B.A. ....  | Toronto    | Misener, A. P., M.A. ....  | Toronto     |
| Burwash, E. M. J., M.A. | Toronto    | Neville, H., B.A. ....     | Norwich     |
| Forbes, E. W., M.A. ..  | Lunenburg, | Rogers, A. S., B.A. ..     | Fredericton |
| .....                   | N.S.       | .....                      | N.B.        |
| Hagar, A. E., B.A. ..   | Port Dover | Wellwood, H. E., B.A. .... | Dundalk     |

## Fourth Year.

|                           |                |                          |              |
|---------------------------|----------------|--------------------------|--------------|
| Armstrong, R. C. ....     | Ottawa         | Irvine, E. C. ....       | St. Marys    |
| Bagshaw, T. A. ....       | Toronto        | Jackson, Miss S. E. .... | London       |
| Barber, F. L. ....        | Woodstock      | Joliffe, E. H. ....      | Peterborough |
| Beatty, Miss R. V. ..     | Parry Sound    | ‡Joliffe, R. O. ....     | Rockwood     |
| Bowles, N. E. ....        | Brampton       | Joliffe, Miss R. M. ..   | Peterborough |
| Bristol, Miss S. ....     | Ottawa         | Kerr, P. M. ....         | Toronto      |
| Campbell, Miss E. ....    | Trenton        | Kennedy, D. B. ....      | Orangeville  |
| Chapman, J. F. ....       | Orono          | Lindsay, Miss O. C.      | Caledon East |
| Chown, J. H. ....         | Toronto        | McKenzie, J. ....        | Bear Line    |
| Conway, W. ....           | Granthurst     | Miller, W. E. C. ....    | Quebec, Que. |
| Crux, A. ....             | Mimico         | Near, W. P. ....         | St. Marys    |
| Cullen, Miss R. N. ....   | Toronto        | Rees, D. P. ....         | Toronto      |
| DeMille, C. W. ....       | Brighton       | Smith, Miss L. P. ....   | Toronto      |
| Dingman, R. G. ....       | Toronto        | Thomas, A. J. ....       | London       |
| Dingwall, Miss E. E. .... | Toronto        | Walker, D. A. ....       | Tara         |
| Eby, Miss F. M. ....      | Alliston       | Wallace, J. H. ....      | North Gower  |
| Ford, A. R. ....          | Forest         | Wallace, E. W. ....      | Toronto      |
| Forster, E. ....          | Brampton       | Webb, C. W. ....         | Ancaster     |
| Glass R. S. ....          | Kincardine     | Will, Miss A. A. ....    | Toronto      |
| ‡Gray, G. H. ....         | Toronto        | Wilson, C. J. ....       | Milverton    |
| Haith, J. M. ....         | Nelles Corners | Wilson, T. E. ....       | Elm          |
| Hughes, J. I. ....        | Winchester     |                          |              |

## Third Year.

|                          |                |                             |             |
|--------------------------|----------------|-----------------------------|-------------|
| Allen, Miss M. E. ....   | Burlington     | Gifford, W. A. ....         | Clinton     |
| Anderson, R. T. ....     | Aylmer West    | Grange, Miss H. A. ....     | Napanee     |
| Baker, H. N. ....        | Stratford      | Gray, D. R. ....            | Toronto     |
| Baxter, Miss S. M. ....  | Toronto        | Hamilton, F. A. E. ....     | Toronto     |
| Bishop, C. W. ....       | London         | Hardy, F. W. ....           | Oakwood     |
| Booth, A. H. ....        | West Ely, Que. | Harris, F. W. K. ....       | Toronto     |
| Bradshaw, G. K. ....     | Hamilton       | Joliffe, C. J. P. ....      | Rockwood    |
| ‡Brownlee, H. W. ....    | Kemptville     | Jeffrey, Miss M. L. A. .... | Toronto     |
| Cantelon, J. W. ....     | Streetsville   | Lingham, Miss B. A. ....    | Belleville  |
| Carr, F. S. ....         | Cobourg        | Lloyd, Miss L. E. V. ....   | Toronto     |
| ‡Cates, W. G. ....       | Toronto        | McElhanney, W. G. ..        | Kincardine  |
| Clare, D. R. ....        | Chapman        | Marshall, D. H. ....        | Snelgrove   |
| Cleaver, E. E. ....      | Toronto        | Miller, J. W. ....          | Wilfrid     |
| ‡Danard, Miss E. V. .... | Hepworth       | Miller, E. A. ....          | White Rose  |
| Eakins, S. W. ....       | Toronto        | Mulholland, R. P. ....      | Toronto     |
| Farley, H. ....          | Belleville     | Parker, C. B. ....          | Toronto     |
| Fife, Miss A. L. O. ..   | Peterborough   | Pearson, R. ....            | Ethel       |
| ‡Fisher, C. L. ....      | Clinton        | Perley, D. M. ....          | Harrowsmith |

## Third Year—Continued.

|                         |                |                         |         |
|-------------------------|----------------|-------------------------|---------|
| Peterson, Miss G. ....  | Belleville     | Walker, D. A. ....      | Merlin  |
| Potter, Miss J. C. .... | Georgetown     | Ward, C. F. ....        | Toronto |
| Rankin, A. B. ....      | Toronto        | Warren, H. S. ....      | Aurora  |
| †Shepherd, E. P. ....   | Toronto        | Watts, Miss F. E. ....  | Toronto |
| Stapleford, E. W. ....  | St. Catharines | Weekes, Miss E. A. .... | Glencoe |
| Spence, W. H. ....      | Newbridge      |                         |         |

## Second Year.

|                            |                  |                              |                |
|----------------------------|------------------|------------------------------|----------------|
| Barker, P. H. ....         | Uxbridge         | Luck, E. L. ....             | Deseronto      |
| Bennett, J. S. ....        | Stratford        | McLaughlin, Miss M. A. ....  | Toronto        |
| Campbell, T. P. ....       | Peterborough     | Miller, A. D. ....           | Newmarket      |
| Clark, R. H. ....          | Warton           | Mills, R. W. ....            | Toronto        |
| Connolly, W. G. ....       | Caintown         | Morgan, E. W. ....           | Omeme          |
| Cragg, H. H. ....          | Brighton         | Nugent, D. B. ....           | Millbrook      |
| Cruise, G. A. ....         | Port Dover       | Okell, F. S. ....            | Victoria, B.C. |
| Davison, J. R. ....        | Toronto          | †Patterson, Miss E. H. ....  | Toronto        |
| Dwight, Miss E. C. ....    | Toronto          | Robertson, H. D. ....        | Morrisburg     |
| Elliott, A. ....           | Peterborough     | Ruddell, E. V. ....          | Oustic         |
| Fullerton, A. L. ....      | Parrsboro', N.S. | Rutherford, F. J. ....       | Toronto        |
| Gain, J. H. ....           | Toronto          | Salter, W. J. ....           | Oshawa         |
| Green, W. F. ....          | Windham          | Smith, Miss E. G. ....       | Toronto        |
| Hamilton, Miss M. A. ....  | Peterborough     | Spence, Miss A. G. W. ....   | Toronto        |
| Hincks, C. M. ....         | Toronto          | Spenceley, J. A. ....        | Toronto        |
| Holmes, C. P. ....         | Newark           | Sternberg, F. ....           | Toronto        |
| Jackson, W. E. ....        | Newmarket        | Switzer, Miss A. D. ....     | Rannoch        |
| Jackson, C. ....           | Ridgeway         | Van Alstyne, Miss S. A. .... | Napanee        |
| †Jamieson, Miss M. C. .... | Hamilton         | Walden, W. A. ....           | Maple Grove    |
| Jickling, Miss C. K. ....  | St. Marys        | Walker, Miss E. ....         | Toronto        |
| Keagey, Miss M. D. ....    | Dundas           | Wallace, Miss E. ....        | North Gower    |
| Keast, W. ....             | St. Ives         | Webster, A. ....             | Aurora         |
| Knight, J. F. ....         | Cranbrook        | Wilson, Miss A. E. ....      | Cobourg        |
| Lane, M. C. ....           | Toronto          | Wright, C. M. ....           | Beamsville     |
| Langford, F. W. ....       | Granton          | Wright, W. G. ....           | Beamsville     |

## First Year.

|                           |                  |                         |               |
|---------------------------|------------------|-------------------------|---------------|
| Adams, J. H. ....         | Toronto          | Cummer, H. H. ....      | Hamilton      |
| Archibald, G. A. ....     | Toronto          | Deacon, Miss A. E. .... | Port Colborne |
| Ball, E. E. ....          | Lansing          | Dingman, A. R. ....     | Toronto       |
| Blackstock, W. E. ....    | Thornton         | Faint, Miss P. B. ....  | Ashburnham    |
| Bowman, F. C. ....        | London           | Farrell, F. G. ....     | Kenilworth    |
| Brown, H. G. ....         | Medina           | Finlay, W. A. ....      | Kincardine    |
| Bugg, N. R. ....          | Chesley          | Harley, A. M. ....      | Brantford     |
| Burwash, N. A. ....       | Toronto          | Henderson, C. D. ....   | Lindsay       |
| Callaghan, J. C. ....     | Hamilton         | Hewitt, D. A. C. ....   | Brookholm     |
| Chubb, Miss E. L. ....    | Toronto          | Horning, R. L. ....     | Hamilton      |
| .....                     | Junction         | Hunter, J. E. ....      | Trowbridge    |
| Cohoon, J. W. ....        | Birr             | Keys, Miss E. M. ....   | Lindsay       |
| Connolly, Miss L. M. .... | Caintown         | Kirby, W. J. ....       | Toronto       |
| Conron, M. E. ....        | Toronto Junction | Macfarlane, P. B. ....  | Toronto       |
| Copeland, J. M. ....      | Smithville       | Mahood, H. S. ....      | Lakelet       |
| Culler, Miss K. E. ....   | Toronto          | Manning, R. J. ....     | Selwyn        |

## First Year—Continued.

|                            |                |                         |             |
|----------------------------|----------------|-------------------------|-------------|
| Mark, C. E. ....           | Lindsay        | Thompson, Miss K. R. .. | Watford     |
| Meadows, R. F. ....        | Brantford      | Treleaven, F. F. ....   | Toronto     |
| Mills, S. G. ....          | Toronto        | Trueman, G. E. ....     | Kenwood     |
| Morris, G. A. ....         | Stoney Point   | Ungar, Miss E. M. ....  | Napanee     |
| Morrison, M. E. H. ....    | Toronto        | Walton, Miss F. E. .... | Thorold     |
| Patterson, Miss O. G. .... | Toronto        | Watson, G. A. ....      | Toronto     |
| Proctor, Miss M. A. ....   | Sarnia         | Wells, J. H. ....       | Teviotdale  |
| Scott, Miss B. L. ....     | Toronto        | Williams, Miss E. J. .. | Greenwood   |
| Shaver, A. W. ....         | Little Britain | Wilson, M. E. ....      | Paris       |
| Smith, Miss E. M. ....     | Chesterville   | Yeigh, E. H. ....       | Toronto     |
| Stansell, N. R. ....       | Straffordville | Zurbrigg, J. M. ..      | New Hamburg |
| Stinson, L. H. ....        | Gorrie         |                         |             |

## Specialists.

|                                   |                 |                          |            |
|-----------------------------------|-----------------|--------------------------|------------|
| Acton, Miss E. I. ....            | Toronto         | Neilly, Miss F. ....     | Toronto    |
| Baker, E. ....                    | Toronto         | Ogden, Miss B. ....      | Toronto    |
| Bonnick, Miss V. L. ....          | Toronto         | Ogden, Miss V. E. ....   | Toronto    |
| Brace, A. J. ....                 | Willowdale      | Parker, Miss A. B. ....  | Toronto    |
| Burwash, A. P. ....               | Toronto         | Patterson, Miss E. ....  | Toronto    |
| Butt, Miss E. ....                | Toronto         | Philp, Miss G. L. ....   | Hamilton   |
| Campbell, Miss A. E. ....         | Toronto         | Phimister, J. ....       | Bradford   |
| Cardwell, Mrs. T. ....            | Toronto         | Potts, Miss E. R. ....   | Toronto    |
| Coulter, J. J. ....               | Loree           | Robins, J. N. ....       | Port Rowan |
| Cushing, Miss L. Calgary, Alberta |                 | Robinson, Miss J. ....   | Owen Sound |
| Douglass, Miss W. E. ..           | Toronto         | Rogers, Miss M. A. E.    | Cedarville |
| Erskine, Miss B. .                | Vancouver, B.C. | Rutlet, Miss P. ....     | Toronto    |
| Flavelle, Miss M. ....            | Toronto         | Scott-Raff, Mrs. E. .... | Toronto    |
| Garrett, Miss H. E. ....          | Toronto         | Smart, W. S. ....        | Toronto    |
| Green, Mrs. J. ....               | Dresden         | Snell, I. ....           | Mulmer     |
| Grey, G. N. ....                  | Creighton       | Squire, Miss M. ....     | Granton    |
| Hedley, Miss H. ....              | Toronto         | Stanley, A. P. ....      | Toronto    |
| Hopkins, C. F. ....               | Kinmount        | Stoddart, Miss V. ....   | Toronto    |
| Hughes, R. ....                   | Wallingford     | Sutherland, Miss G. .... | Toronto    |
| Johnston, Miss A. H. ...          | Toronto         | Sweetnam, Mrs. L. M. ... | Toronto    |
| Lear, Miss E. ....                | Toronto         | Thompson, W. H. ....     | Thornton   |
| Lunau, A. E. ....                 | Markham         | Whattam, R. A. ....      | Picton     |
| McKendry, Miss M. E. ..           | Toronto         | Wilcox, Miss I. ....     | Owen Sound |
| Moore, Miss M. E. ....            | Morrisburg      | Wilkins, J. W. ....      | Harriston  |
| Moorhouse, A. E. ....             | Shetland        | Winter, Miss R. ....     | Toronto    |
| Moorhouse, C. J. ....             | Shetland        | Young, Miss I. V. ....   | Waubashene |
| Morgan, Miss K. ....              | Brantford       | Young, A. M. ....        | Tamworth   |

## Students in Arts—

|                            |    |
|----------------------------|----|
| Graduate Students .....    | 8  |
| Fourth Year Students ..... | 43 |
| Third Year Students .....  | 47 |
| Second Year Students ..... | 50 |
| First Year Students .....  | 54 |
| Specialist Students .....  | 54 |

## B.

## Faculty of Medicine.

## Graduate Students.

Davey, E. H., M.B. .Stoney Creek      Montgomery, C. H., M.B. ..Orillia  
 Moir, A., M.B. ....Dunnville

## Fourth Year.

|                                   |                                |
|-----------------------------------|--------------------------------|
| Anderson, P. ....Port Dalhousie   | Ingram, R. ....Ridgetown       |
| Buchanan, N. D. ....Zurich        | Kappele, D. ....Hamilton       |
| Bond, A. T. ..Ryckman's Corners   | Kane, J. A. ....Orillia        |
| Binns, E. E. ..Port Antonio,      | Knister, C. E. ....Ruscom      |
| .....Jamaica                      | Kerfoot, W. J. ....Minesing    |
| Beaton, W. D. ....St. Catharines  | Large, F. ....Listowel         |
| Biggar, J. L. ....Toronto         | Langs, M. H. ....Langford      |
| Brewster, R. S. ....Sunderland    | Leeson, J. D. ....Aylmer       |
| Brown, J. V. ....Barrie           | Locke, C. F. A. ....Hamilton   |
| Carson, A. T. ....Orangeville     | Lamb, G. F. ....St. Thomas     |
| Cullen, E. K. ....Toronto         | Mahood, W. R. ....Fordwich     |
| Cook, J. W. ....Strathroy         | Medley, W. W. ....Erin         |
| Colbeck, K. ....Colbeck           | Meldrum, W. N. ....Ayr         |
| Constantinides, C. L. ....Toronto | McCue, P. F. ....Melanethon    |
| Cochrane, D. J. ....Durham        | McTavish, W. ....Palmyra       |
| Dinnick, O. T. ....Toronto        | McLaughlin, R. P. ..Cumberland |
| Evans, D. ....Virginia            | McLean, H. ....Knapdale        |
| Edmison, T. B. ....Newcastle      | McColl, T. H. ....Wallacetown  |
| Fisher, R. O. ....Ashgrove        | McLean, H. C. ....St. Thomas   |
| Fitzgerald, J. G. ....Hamilton    | MacKinnon, W. T. M. Amherst    |
| Freeman, C. W. ....Burlington     | .....N.S.                      |
| Ferguson, J. ....Hamilton         | Macleod, N. K. ....Toronto     |
| Foster, R. F. ....Toronto         | MacKay, C. M. ....Woodstock    |
| Foster, E. J. ....Kagawong        | McInnis, A. ....Bognor         |
| Frederick, E. V. ...Campbellford  | Neal, F. C. ....Walton         |
| Fawns, S. W. ....Udora            | Oille, J. A. ....Sparta        |
| Greenway, G. E. ...Little Britain | Phillips, J. ....Hewitt        |
| Gray, E. A. ....Waubuno           | Parry, J. R. ....Dunnville     |
| Groves, W. A. ....Fergus          | Proctor, A. D. ....Ottawa      |
| Gilmour, C. H. ....Toronto        | Park, J. M. ....Abingdon       |
| Graham, W. A. ....Toronto         | Quinlan, P. F. ....Stratford   |
| Gallie, W. E. ....Barrie          | Russell, A. L. ....Millbrook   |
| Hodgins, E. L. ....Lucan          | Ross, F. A. ....Guthrie        |
| Hunt, J. G. W. ....London         | Ross, V. ....Guthrie           |
| Hunt, W. B. S. ....London         | Robb, J. M. ....Stratford      |
| Hess, L. R. N. ....Hamilton       | Singer, S. ....Toronto         |
| Holmes, K. H. ....Chatham         | Sweeney, D. J. ....Caledon     |
| DeHaitre, E. ....Rockland         | Sutherland, D. M. ....Norwich  |
| Hamilton, J. H. ....Nelson, B.C.  | Somers, W. E. ....Waterford    |
| Johnston, D. S. ....Orillia       | Sutton, N. H. ....Ida          |
| Jamieson, H. C. ....Guelph        | Sinclair, D. A. ....Toronto    |



## Fourth Year.—Continued.

|                           |                |                           |             |
|---------------------------|----------------|---------------------------|-------------|
| Simpson, A. A. J. . . . . | Whitechurch    | Walker, T. W. . . . .     | Elora       |
| Sutton, N. F. . . . .     | Madoc          | Whitmore, A. E. . . . .   | Edgely      |
| Turnbull, W. S. . . . .   | Milverton      | Walker, E. M. . . . .     | Toronto     |
| Torrington, H. M. . . . . | Toronto        | Weir, B. C. . . . .       | Strathroy   |
| Thomas, A. W. . . . .     | Victoria, B.C. | White, T. D. . . . .      | Brantford   |
| Thompson, A. S. . . . .   | Toronto        | Woolner, W. A. W. . . . . | Toronto     |
| Wilson, G. E. . . . .     | Toronto        | Webb, A. L. W. . . . .    | Brighton    |
| Winters, G. A. . . . .    | Toronto        | Yin, S. C. . . . .        | Amoy, China |

## Third Year

|                                   |                |                             |               |
|-----------------------------------|----------------|-----------------------------|---------------|
| Anderson, R. W. . . . .           | Little Current | Henry, T. R. . . . .        | Harriston     |
| Archer, G. B. . . . .             | Campbellford   | Hendry, W. B. . . . .       | Toronto       |
| Adams, H. J. . . . .              | Embro          | Harvey, W. H. . . . .       | Toronto       |
| Adams, A. H. . . . .              | Whitby         | Hore, A. L. . . . .         | Valentia      |
| Burson, E. C. . . . .             | St. Catharines | Jones, H. . . . .           | Hamilton      |
| Bright, H. R. . . . .             | Warton         | Jackson, A. A. . . . .      | Mono Mills    |
| Berwick, M. W. . . . .            | Shelbourne     | Kyle, N. D. . . . .         | Bellwood      |
| Brien, J. W. . . . .              | Lindsay        | Kinghorn, A. . . . .        | Toronto       |
| Brodie, F. J. . . . .             | Forest         | Kennedy, A. M. . . . .      | Barrie        |
| Biggs, G. M. . . . .              | Toronto        | Killoran, J. F. . . . .     | Seaforth      |
| Burris, H. L. Lower Musquodoboit, |                | Lord, J. W. . . . .         | Newburg       |
| ..... N.S.                        |                | Lyon, E. J. . . . .         | Guelph        |
| Bennett, J. H. . . . .            | Gorrie         | Leach, A. J. . . . .        | Millbrook     |
| Burr, W. A. . . . .               | Fergus         | Limbert, M. H. . . . .      | Greenbank     |
| Bryan, R. H. . . . .              | Strathroy      | LeDrew, I. S. . . . .       | Cupids, Nfld. |
| Buck, T. D. . . . .               | Lindsay        | Mugan, P. J. . . . .        | Ridgetown     |
| Caulfeild, A. H. A. . . . .       | Toronto        | Matheson, J. J. . . . .     | Bloomington   |
| Crosby, G. W. . . . .             | Campbellford   | Mulligan, T. . . . .        | Dublin        |
| Cascaden, J. H. . . . .           | Dutton         | Malloy, A. F. . . . .       | Nobleton      |
| Carveth, W. H. . . . .            | Toronto        | Murray, D. C. . . . .       | Newton        |
| Clark, C. W. . . . .              | Picton         | McKinlay, D. F. . . . .     | Bolton        |
| Cruikshank, W. E. . . . .         | Chatham        | McFadden, A. H. . . . .     | Millbank      |
| Clarke, W. B. . . . .             | Schomberg      | MacMahon, J. H. . . . .     | Hamilton      |
| Chambers, F. E. . . . .           | Toronto        | McNally, A. . . . .         | Blair         |
| Campbell, J. A. . . . .           | Keene          | McQuade, M. A. . . . .      | Manilla       |
| Campbell, D. D. . . . .           | Listowel       | McLeod, J. G. . . . .       | Southampton   |
| Duncan, J. A. . . . .             | Elora          | McComb, R. J. A. . . . .    | Trenton       |
| Demary, A. F. . . . .             | Kerwood        | McKinnon, J. P. . . . .     | Hillsburg     |
| Day, F. B. . . . .                | Lockport       | McCue, P. J. . . . .        | Melancthon    |
| Dixon, W. . . . .                 | Onondago       | McGregor, J. K. . . . .     | Waterdown     |
| Eaton, F. S. . . . .              | Freeland       | McGibbon, P. . . . .        | Arkona        |
| Evans, E. G. . . . .              | Virginia       | McKenzie, D. C. . . . .     | Milverton     |
| Eakins, G. E. . . . .             | Toronto        | McCulloch, R. J. P. . . . . | Thomasburg    |
| Embree, M. H. . . . .             | Toronto        | McCulloch, E. A. . . . .    | Thomasburg    |
| Ferguson, B. J. . . . .           | Teeswater      | McEwan, F. F. . . . .       | Toronto       |
| Fyle, F. E. . . . .               | Brantford      | McLellan, W. E. . . . .     | Almonte       |
| Ford, W. S. . . . .               | Belleville     | McCaffrey, R. . . . .       | Madoc         |
| Graham, J. . . . .                | Toronto        | Newman, C. R. . . . .       | Dunnville     |
| Galbraith, M. . . . .             | Mount Forest   | Nasmyth, R. D. . . . .      | Stratford     |
| Gilbert, W. L. . . . .            | Picton         | Panton, L. A. C. . . . .    | Guelph        |
| Houston, P. J. . . . .            | Pinkerton      | Panton, K. D. . . . .       | Milton, West  |
|                                   |                | Reive, W. . . . .           | Markham       |



## Third Year.—Continued.

|                       |                 |                        |               |
|-----------------------|-----------------|------------------------|---------------|
| Reid, W. ....         | Watford         | Scarlett, E. ....      | Powassan      |
| Riggs, L. D. ....     | Belleville      | Todd, J. H. ....       | Toronto       |
| Ross, A. ....         | Lochalsh        | Thorn, W. F. ....      | Picton        |
| Stewart, A. E. ....   | Ruthven         | Thomas, G. N. ....     | Lowville      |
| Stallwood, J. B. .... | Hagersville     | Van Norman, K. H. .... | Toronto       |
| Snyder, G. R. ....    | Freelton        | Vansickle, R. ....     | Palermo       |
| Stephens, F. N. ..    | Tennycapc, N.S. | Vrooman, F. S. ....    | Lindsay       |
| Sheahan, F. J. ....   | Newark          | Unsworth, A. D. ....   | Hamilton      |
| Shaw, G. M. ....      | Southend        | Watterson, T. A. ....  | Manotick      |
| Schulz, A. E. ....    | Elmira          | Wright, W. W. ....     | Toronto       |
| Stewart, L. G. ....   | Aurora          | Walker, S. B. ....     | Niagara Falls |
| Smith, G. E. ....     | Toronto         | Watts, F. E. ....      | Toronto       |
| Swanston, J. B. ....  | Yeovil          | Wigham, J. W. ....     | Toronto       |
| Scott, F. H. ....     | Toronto         | Wilson, W. A. ....     | Newburg       |
| Sutton, A. B. ....    | Cooksville      | Woodbridge, C. O. .... | Harrow        |

## Second Year.

|                          |                |                        |                 |
|--------------------------|----------------|------------------------|-----------------|
| Aitchison, R. M. ....    | Seaforth       | Ford, G. ....          | Listowel        |
| Addison, W. H. F. ....   | Toronto        | Gilchrist, A. J. ....  | Toronto         |
| Anderson, J. S. ....     | Wooler         | Galbraith, D. A. ....  | Adolphe         |
| Brodrecht, J. H. R. .... | New Hamburg    | Goode, E. A. ....      | Toronto         |
| Brown, F. E. ....        | Vienna         | Gilday, W. C. ....     | Toronto         |
| Bonnycastle, R. H. ....  | Campbellford   | Gowland, M. E. ....    | Zimmerman       |
| Balfour, D. C. ....      | Hamilton       | Graham, D. L. ....     | Ivan            |
| Buller, F. J. ....       | Toronto        | Hall, F. W. ....       | Chatham         |
| Beatty, J. C. ....       | Toronto        | Hardy, E. B. ....      | Toronto         |
| Boyd, S. J. ....         | Carthage       | Hamilton, J. J. ....   | Bethany         |
| Black, G. I. ....        | Warkworth      | Holmes, J. M. ....     | Chatham         |
| Blanchard, T. W. ....    | Appleby        | Hanna, E. C. ....      | Thorold         |
| Bennett, A. C. ....      | Toronto        | Haigh, J. E. ....      | Toronto         |
| Boddington, D. H. ....   | Leamington     | Hamlin, F. V. ....     | Allandale       |
| Burwell, B. R. ....      | Sheddon        | Hurlburt, W. A. ....   | Mitchell        |
| Brophey, F. E. ....      | Brantford      | Johnston, L. H. ....   | Mount Forest    |
| Boyd, G. ....            | Gravenhurst    | Knipfel, J. E. ....    | Elora           |
| Campbell, M. F. ....     | Rossland, B.C. | Little, G. G. ....     | Windsor         |
| Cameron, M. H. V. ....   | Woodstock      | Lemon, W. S. ....      | Aylmer          |
| Carrick, W. M. ....      | Hamilton       | Lowrey, R. C. ....     | Toronto         |
| Collison, T. W. ....     | Ceylon         | Laird, W. S. ....      | Guelph          |
| Clark, R. L. ....        | Hamilton       | Munns, A. C. ....      | Gore Bay        |
| Coulthard, H. H. G. .... | Toronto        | Morris, J. I. ....     | Hamilton        |
| Cook, H. M. ....         | Essex          | Maines, W. N. ....     | Tweed           |
| Cowper, H. D. ....       | Welland        | Merritt, W. W. ....    | Smithville      |
| Christie, J. D. ....     | Sunderland     | Mowbray, F. B. ....    | Thamesville     |
| Cameron, W. H. ....      | Arthur         | Murray, C. W. ....     | Toronto         |
| Coone, F. H. ....        | Manilla        | Murray, D. C. ....     | Newton          |
| Coleman, H. B. ....      | Cookston       | Masson, J. C. ....     | Goderich        |
| Cairns, K. C. ....       | Huntsville     | Millen, S. F. ....     | Cottam          |
| Dingman, H. W. ....      | Toronto        | Messing, F. B. N. .... | Tonawanda, N.Y. |
| Dalrymple, S. R. ....    | Bismark        | Middleton, E. M. ....  | Fergus          |
| Dalrymple, J. M. ....    | Bismark        | McDonald, E. A. ....   | Toronto         |
| Evans, W. G. ....        | Bradford       | McLachlan, D. F. ....  | Glencoe         |
| Eckel, C. B. ....        | Pembroke       | McKinley, W. E. ....   | Toronto         |

## Second Year—Continued.

|                        |               |                          |                |
|------------------------|---------------|--------------------------|----------------|
| McRae, T. T. ....      | Crambrook     | Spence, C. E. ....       | Toronto        |
| McPhedran, A. G. ....  | Wanstead      | Sinclair, A. ....        | Kilsyth        |
| McPhedran, J. H. ....  | Wanstead      | Smillie, A. B. ....      | Hensal         |
| MacKinnon, G. L. ....  | Orangeville   | Stewart, A. P. ....      | Glen Allan     |
| McFadyen, D. D. ....   | Toronto       | Smith, W. J. ....        | Pine River     |
| MacIntyre, R. W. ....  | Toronto       | Speirs, A. J. ....       | Drumbo         |
| McAndrew, J. ....      | Norval        | Stewart, V. M. ....      | Mount Forest   |
| McMillan, J. E. ....   | Shakespeare   | Schlichter, C. C. ....   | New Dundee     |
| McKenzie, D. ....      | Brussels      | Stewart, G. ....         | Ruthven        |
| McIntyre, G. C. ....   | St. Marys     | Spohn, A. H. ....        | Penetang       |
| Maclean, G. D. ....    | Woodbridge    | Stapleford, C. H. ....   | St. Catharines |
| McKenna, J. A. ....    | Toronto       | Scratch, J. A. ....      | Amherstburg    |
| McMane, C. ....        | Donegal       | Traynor, S. ....         | Dundalk        |
| Ogden, W. E. ....      | Toronto       | Toll, W. ....            | Ouvry          |
| O'Hara, W. J. ....     | Hagersville   | Tisdale, R. W. ....      | Lyndoch        |
| Ochs, W. H. ....       | Hespeler      | Trueman, L. A. ....      | Kerwood        |
| Powell, C. ....        | Barrie        | Turner, R. M. ....       | Thorold        |
| Procurier, W. E. ....  | Bayham        | Vanderlip, F. ....       | St. Catharines |
| Pettingill, R. E. .... | Rose Hall     | Wallis, A. G. ....       | Humber         |
| Paterson, W. A. ....   | Ingersoll     | Willson, H. G. ....      | Toronto        |
| Park, C. A. ....       | Hagersville   | Wilson, J. L. ....       | Toronto        |
| Roberts, W. ....       | Brigus, Nfld. | Walker, F. J. ....       | Petrolea       |
| Rolls, A. M. ....      | Mansewood     | Weidenhammer, F. J. .... | Waterloo       |
| Rae, J. A. ....        | Rosseau       | Young, J. W. ....        | Bradford       |
| Royce, H. T. ....      | Davenport     |                          |                |

## First Year.

|                        |               |                       |                |
|------------------------|---------------|-----------------------|----------------|
| Andrew, H. B. ....     | Toronto       | Edmison, W. C. ....   | Harwood        |
| Allison, D. ....       | Belgrave      | Edwards, R. G. ....   | Hornby         |
| Brown, W. J. R. ....   | Toronto       | Ellis, T. A. ....     | Kingscote      |
| Black, D. ....         | Toronto       | Freeland, G. S. ....  | Fergus         |
| Bethune, W. ....       | Hamilton      | Frawley, D. N. ....   | Orillia        |
| Blair, J. K. ....      | Tarbert       | Gillis, E. D. ....    | Muirkirk       |
| Bowman, F. B. ....     | Dundas        | Graham, M. R. ....    | Wallacetown    |
| Browne, W. E. ....     | Midland       | Gardiner, G. H. ....  | Mount Forest   |
| Cleaver, E. E. ....    | Toronto       | George, E. ....       | Port Elgin     |
| Collins, A. ....       | Niagara Falls | Howard, E. A. E. .... | Hagersville    |
| Calhoun, J. C. ....    | Bolton        | Hawkins, C. S. ....   | Canton         |
| Campbell, K. ....      | Bruce Mines   | Humphries, R. ....    | Walton         |
| Crookshank, J. G. .... | Blenheim      | Holbrook, J. H. ....  | Toronto        |
| Cartwright, V. E. .... | Aldershot     | Henderson, M. S. .... | Winnipeg, Man. |
| Chapin, C. G. ....     | Waterford     | Hurlburt, C. W. ....  | Mitchell       |
| Counter, J. W. ....    | Toronto       | Harris, J. C. ....    | Toronto        |
| Coghlan, R. O. ....    | Wyoming       | Huehnergard, H. ....  | Berlin         |
| Callum, D. R. ....     | Sarnia        | Harrison, F. C. ....  | Toronto        |
| Cooper, G. ....        | Gravenhurst   | Higginson, A. E. .... | Waterdown      |
| Campbell, A. A. ....   | Shanty Bay    | Jessop, E. T. ....    | Fergus         |
| Cumming, C. R. ....    | Galt          | Jones, R. A. ....     | Mount Forest   |
| Dawson, F. B. ....     | Baillieboro   | Jamieson, C. V. ....  | Guelph         |
| Dillane, R. H. ....    | Tottenham     | Jackson, J. H. ....   | Chesley        |
| Dickson, E. C. ....    | Orillia       | Kaufman, V. S. ....   | Chesley        |
| Duncan, J. ....        | Weston        |                       |                |

## First Year.—Continued.

|                         |                |                           |                  |
|-------------------------|----------------|---------------------------|------------------|
| Kemp, H. W. S. ....     | Sanford        | Parker, C. B. ....        | Toronto          |
| Kilgour, D. McE. ....   | Guelph         | Rolph, A. H. ....         | Toronto          |
| Kirkpatrick, C. G. .... | Oro Station    | Ripley, A. T. ....        | Wallacetown      |
| Lindsay, H. J. R. ....  | St. Thomas     | Robertson, D. E. ....     | Toronto          |
| Lang, O. K. ....        | Granton        | Rich, W. T. ....          | Oakwood          |
| Little, J. C. ....      | Lisle          | Robert, J. X. ....        | Chatham          |
| Monkman, J. A. ....     | Mount Hope     | Reid, W. H. ....          | Lucknow          |
| Munro, N. A. ....       | St. Thomas     | Ruby, R. H. ....          | New Hamburg      |
| Mayhood, F. H. ....     | Calgary, Alta. | Rankin, A. B. ....        | Toronto          |
| Maywood, S. J. N. ....  | Lindsay        | Small, W. K. ....         | Washington, D.C. |
| Moorhead, A. S. ....    | Mount Albert   | Storry, J. H. ....        | Mount Albert     |
| Manning, F. ....        | St. Marys      | Swain, W. W. ....         | Grand Valley     |
| Mahood, C. S. ....      | Lakelet        | Shaw, R. N. ....          | Southend         |
| Main, L. ....           | Sheffield      | Sheridan, W. J. ....      | Merton           |
| MacLean, H. ....        | Dunrea, Man.   | Sullivan, W. K. ....      | Pieton           |
| McMillan, R. J. ....    | Dutton         | Somers, C. ....           | Toronto          |
| MacLaren, D. G. ....    | Brampton       | Savage, J. P. ....        | Brantford        |
| MacKinnon, M. A. ....   | Copleston      | Sproule, W. B. ....       | Thornton         |
| McClure, W. A. ....     | Woodbridge     | Sparks, L. G. ....        | St. Marys        |
| McKelvey, A. D. ....    | Brussels       | Sproule, W. J. D. ....    | Schomberg        |
| MacKinnon, R. B. ....   | Toronto        | Stewart, H. A. ....       | St. Thomas       |
| MacLaren, J. A. ....    | Ottawa         | Thibaudeau, A. A. J. .... | Chatham          |
| Organ, F. W. ....       | Waterdown      | Thrush, C. A. M. ....     | Byng             |
| Pain, A. ....           | Hamilton       | Thompson, A. A. ....      | Waterdown        |
| Park, T. D. ....        | Banks          | Woodhall, F. ....         | Hamilton         |
| Pratt, W. C. ....       | Petrolea       | Williams, R. ....         | Ingersoll        |
| Phillips, A. C. ....    | Toronto        |                           |                  |

## Occasional Students.

|                          |                |                          |                  |
|--------------------------|----------------|--------------------------|------------------|
| Abbott, J. M. ....       | Everton        | Gordon, F. W. ....       | Kingston         |
| Anderson, H. W. ....     | Sundridge      | Hand, J. R. ....         | Ottawa           |
| Arthurs, R. S. ....      | Brampton       | Hamilton, F. W. L. ....  | Grand Valley     |
| Beddingfield, H. E. .... | Kemptville     | Hawkins, M. S. ....      | Port Hope        |
| Bonney, W. ....          | Toronto        | Hodgins, H. J. ....      | Lucan            |
| Brace, H. W. ....        | Brockville     | Holmes, G. H. ....       | Georgetown       |
| Braddon, M. E. ....      | London         | How, F. W. ....          | Toronto          |
| Bray, G. H. ....         | Almonte        | Husband, F. C. ....      | Toronto          |
| Brown, J. P. ....        | Cobourg        | Johnston, A. ....        | Hamilton         |
| Butler, T. E. C. ....    | Toronto        | Kirby, H. H. ....        | Chute à Blondeau |
| Cameron, W. J. ....      | Brussels       | Kenny, E. L. ....        | Brockville       |
| Carruth, R. M. ....      | Renfrew        | Lappen, J. ....          | Gordon Island    |
| Cook, G. H. ....         | Morrisburg     | Large, R. M. ....        | Milverton        |
| Conboy, F. J. ....       | Dovercourt     | Lea, W. J. ....          | Toronto          |
| Coupland, P. T. ....     | St. Marys      | Lundy, J. B. ....        | Echo Place       |
| Caverhill, W. H. ....    | St. Catharines | Lisle, O. N. ....        | Perth            |
| DeMille, A. C. ....      | Northport      | Manning, J. G. ....      | Brampton         |
| Dillane, J. F. ....      | Tottenham      | MacGillivray, R. A. .... | Kirk Hill        |
| Dunlop, R. A. ....       | Fordwich       | McNally, W. H. ....      | Blair            |
| Eckel, S. ....           | Mildmay        | Nethercott, D. ....      | Woodstock        |
| Edwards, S. M. ....      | Toronto        | Nesbitt, H. A. ....      | Newburgh         |
| Fallis, C. O. ....       | Cadmus         | Noble, G. W. K. ....     | Toronto          |
| Fulton, E. M. ....       | Chesterville   | Smith, N. ....           | Stewart          |

## Occasional Students—Continued.

|                      |                  |                        |            |
|----------------------|------------------|------------------------|------------|
| Stewart, A. A. ....  | Hastings         | Wark, A. E. ....       | Toronto    |
| Sivers, W. M. ....   | Toronto          | Weismiller, S. A. .... | Toronto    |
| Stewart, R. M. ....  | Whitby           | Wickett, W. C. ....    | Sundridge  |
| Stanley, L. E. ....  | Ottawa           | Wilkinson, H. N. W. .. | Schomberg  |
| Thomas, S. M. ....   | St. Marys        | Willard, E. F. ....    | Port Perry |
| Thompson, J. A. .... | Uxbridge         | Wilson, B. E. ....     | Wardsville |
| Ward, H. B. ..       | Toronto Junction | Wood, H. ....          | Millbrook  |
| Watson, O. C. ....   | Dresden          | Zimmerman, E. R. ....  | Toronto    |

|   |     |
|---|-----|
| Number of Graduate Students .....       | 3   |
| Number of Students in Fourth Year ..... | 96  |
| Number of Students in Third Year .....  | 112 |
| Number of Students in Second Year ..... | 119 |
| Number of Students in First Year .....  | 102 |
| Occasional Students .....               | 62  |

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Total..... 494



## C.

## Faculty of Applied Science and Engineering

## Fourth Year.

|                       |                   |                        |             |
|-----------------------|-------------------|------------------------|-------------|
| Blair, W. J. ....     | Embro             | Gibson, A. E. ....     | Liversoll   |
| Brereton, W. P. ....  | Betham            | Knight, R. H. ....     | Bruce Mines |
| Chace, W. G. ....     | St. Catharines    | Laingmuir, F. L. ....  | Toronto     |
| Chadsey, S. B. ....   | Wellington        | Madden, J. F. S. ....  | Toronto     |
| Christie, W. ....     | Chesley           | Mathison, P. ....      | Union       |
| Connor, H. V. ....    | Sarguison         | Powell, G. G. ....     | Toronto     |
| Culbert, M. T. ....   | London            | Robertson, H. D. ....  | Walkerton   |
| Elwell, W. ....       | Toronto           | Sinclair, D. ....      | Cheltenham  |
| Empey, J. M. ....     | Thamesford        | Sutherland, W. H. .... | Toronto     |
| Forbes, D. L. H. .... | Toronto           | Teasdale, C. M. ....   | Concord     |
| Gagné, S. ....        | St. Joseph d'Alma | Zahn, H. ....          | Toronto     |
| .....                 | Que.              |                        |             |

## Third Year.

|                        |               |                        |                |
|------------------------|---------------|------------------------|----------------|
| Acres, H. G. ....      | Paris         | McFarlane, J. A. ....  | Donegal        |
| Alison, J. G. R. ....  | Toronto       | McNaughton, A. L. .... | Cornwall       |
| Angus, H. H. ....      | London        | Marriott, F. G. ....   | Toronto        |
| Beatty, J. A. ....     | Fergus        | Maus, C. A. ....       | Paris          |
| Breslove, J. ....      | Toronto       | Miller, M. L. ....     | Aylmer         |
| Burd, J. H. ....       | Parry Sound   | Mitchell, P. H. ....   | Waterloo       |
| Burgess, E. L. ....    | Burgessville  | Montgomery, R. H. .... | Brantford      |
| Burwash, N. A. ....    | Toronto       | Moore, F. A. ....      | Toronto        |
| Challies, J. B. ....   | Winchester    | Morley, R. W. ....     | Toronto        |
| Clarke, F. F. ....     | Deer Park     | Mullins, E. E. ....    | Toronto        |
| Coulson, C. L. ....    | Welland       | Nevitt, I. H. ....     | Toronto        |
| Davison, A. E. ....    | Prescott      | Oliver, E. W. ....     | Toronto        |
| Fensom, C. J. ....     | Toronto       | Oliver, J. P. ....     | Eberts         |
| Fuce, E. O. ....       | Toronto       | Pace, J. D. ....       | Orillia        |
| Gaby, F. A. ....       | Toronto       | Patten, B. B. ....     | St. George     |
| George, R. E. ....     | Port Elgin    | Philp, D. H. ....      | Petrolea       |
| Gardner, J. C. ....    | Niagara Falls | Pinkney, D. H. ....    | Morrison       |
| Gillespie, P. ....     | Cobourg       | Plunkett, T. H. ....   | Meaford        |
| Gordon, J. P. ....     | Toronto       | Robertson, D. F. ....  | Almonte        |
| Gourlay, W. A. ....    | Toronto       | Seymour, H. L. ....    | Toronto        |
| Hamilton, J. F. ....   | Dunedin       | Shipe, H. M. ....      | Toronto        |
| Hanes, G. S. ....      | Windsor       | Small, H. S. ....      | Toronto        |
| Horton, J. A. ....     | Hurondale     | Smith, J. H. ....      | New Hamburg    |
| Harcourt, F. Y. ....   | Toronto       | Smith, H. G. ....      | St. Catharines |
| Hayes, L. J. ....      | Toronto       | Trees, S. L. ....      | Toronto        |
| Henderson, F. D. ....  | Crathie       | Umbach, J. E. ....     | Elmira         |
| Jackson, J. G. ....    | London        | Waldron, J. ....       | Pine Grove     |
| Johnston, C. G. ....   | Pefferlaw     | Wass, S. B. ....       | Granton        |
| Johnston, H. ....      | Meaford       | Whelihan, J. A. ....   | St. Marys      |
| Lang, A. G. ....       | Toronto       | White, H. F. ....      | London         |
| Larkworthy, W. J. .... | Mitchell      | Williams, C. G. ....   | London         |
| Latonnell, A. J. ....  | Meaford       | Wilson, N. D. ....     | Toronto        |
| McAuslan, H. J. ....   | Heathcote     | Young, C. R. ....      | Pictou         |



## Second Year.

|                       |                  |                         |                 |
|-----------------------|------------------|-------------------------|-----------------|
| Allen, C. W. ....     | Toronto          | McGibbon, C. P. ....    | Brampton        |
| Barrett, J. H. ....   | Port Hope        | McKay, C. D. ....       | Maplewood       |
| Beatty, H. E. ....    | Toronto          | Mackenzie, C. M. ....   | Galt            |
| Begg, W. A. ....      | West Flamboro    | McMillan, D. ....       | Woodville       |
| Boeckh, J. C. ....    | Toronto          | Manson, G. J. ....      | St. Catharines  |
| Bonnell, M. B. ....   | Bobcaygeon       | Milne, W. G. ....       | Brown's Corners |
| Brown, T. D. ....     | Barrie           | Moore, E. E. ....       | Peterborough    |
| Bryce, R. A. ....     | Toronto          | Moorehouse, W. N. ....  | Toronto         |
| Burley, R. J. ....    | Regina, Assa.    | Morton, P. E. ....      | Belhaven        |
| Burnham, F. W. ....   | Ashburnham       | Munro, Wm. H. ....      | Peterborough    |
| Calder, J. W. ....    | Cranbrook        | O'Brien, D. E. ....     | Merrickville    |
| Cameron, N. C. ....   | Peterborough     | O'Sullivan, J. J. ....  | Toronto         |
| Campbell, A. J. ....  | Collingwood      | Pace, G. ....           | Orillia         |
| Campbell, A. M. ....  | Trenton          | Pardoe, W. S. ....      | Toronto         |
| Chase, A. V. ....     | Orillia          | Paris, J. ....          | White Lake      |
| Chilver, C. A. ....   | Walkerville      | Parke, J. ....          | Oil City        |
| Chilver, H. L. ....   | Walkerville      | Peaker, W. J. ....      | Brampton        |
| Christie, U. W. ....  | Chesley          | Phillips, E. P. A. .... | Cedardale       |
| Coates, P. C. ....    | Victoria, B.C.   | Pickering, A. E. ....   | Brampton        |
| Code, S. B. ....      | Smith's Falls    | Porte, W. B. ....       | Toronto         |
| Code, T. F. ....      | Smith's Falls    | Ramsey, G. L. ....      | Dunnville       |
| Cowan, W. A. ....     | Galt             | Raymond, D. L. C. ....  | Windsor         |
| Craig, S. E. ....     | Snelgrove        | Reid, F. B. ....        | Bowmanville     |
| Crerar, S. R. ....    | Brussels         | Riddell, M. R. ....     | Toronto         |
| Currie, W. M. ....    | Port Perry       | Robinson, L. ....       | Brockville      |
| Depew, H. H. ....     | Hamilton         | Roxburgh, G. S. ....    | Norwood         |
| Elder, A. J. ....     | Barrie           | Rutherford, F. N. ....  | South           |
| Fleck, J. G. ....     | Ottawa           |                         | Monaghan        |
| Ford, A. L. ....      | Toronto          | Sauder, P. M. ....      | Galt            |
| Foster, W. J. ....    | Windsor          | Shepley, J. D. ....     | Neamington      |
| Gibson, W. S. ....    | Toronto          | Slater, F. W. ....      | London          |
| Goodall, J. N. ....   | Bellwood         | Smart, R. S. ....       | Toronto         |
| Gray, A. ....         | Port Credit      | Smith, D. A. ....       | Claude          |
| Gray, W. W. ....      | Uxbridge         | Smither, W. J. ....     | Toronto         |
| Greenwood, W. K. .... | Greenwood        | Southworth, H. S. ....  | Toronto         |
| Gzowski, H. N. ....   | Toronto          | Street, P. B. ....      | Toronto         |
| Hara, L. D. ....      | Merritton        | Tait, B. J. ....        | Peterborough    |
| Harris, C. J. ....    | Brantford        | Thompson, H. P. ....    | Toronto         |
| Henderson, T. D. .... | Acton            | Thomson, S. E. ....     | Blenheim        |
| Heron, J. B. ....     | Scarboro' Junct. | Townsend, C. J. ....    | Toronto         |
| Hill, E. M. M. ....   | Guelph           | Townsend, D. T. ....    | Woodstock       |
| Hill, S. N. ....      | St. Thomas       | Trimble, A. V. ....     | Toronto         |
| Ingles, C. J. ....    | Toronto          | Tucker, B. B. ....      | Allenbury       |
| Jackson, E. R. ....   | Seaforth         | Wade, E. ....           | Welland         |
| James, E. A. ....     | Thornhill        | Walker, E. W. ....      | Cayuga          |
| Jermyn, P. V. ....    | Toronto          | Watson, J. P. ....      | Acacia          |
| Johnston, J. W. ....  | Toronto          | Weddell, R. G. ....     | Trenton         |
| Keefe, W. S. H. ....  | Iroquois         | Weir, J. M. ....        | Toronto         |
| Kernahan, M. G. ....  | Toronto          | Wells, A. F. ....       | Sandwich        |
| Laing, P. A. ....     | Dundas           | Worthington, W. R. .... | Toronto         |
| Legge, A. H. ....     | Jefferson        | Wright, W. F. ....      | Toronto         |
| McCuaig, O. B. ....   | Toronto          | Yeates, P. M. ....      | London          |
| McEwen, G. G. ....    | Moose Creek      | Young, W. H. ....       | Clifford        |
| McFarlane, W. G. .... | Claremont        |                         |                 |

## First Year.

## REGULAR STUDENTS.

|                          |                 |                            |                |
|--------------------------|-----------------|----------------------------|----------------|
| Alport, F. ....          | Orillia         | McGorman, E. S. ....       | St. Marys      |
| Armour, R. H. ....       | Lindsay         | McGregor, W. W. ....       | Glen Williams  |
| Aylsworth, B. ....       | London          | McKenzie, D. W. ....       | Lochash        |
| Barber, W. ....          | Toronto         | McLean, C. A. ....         | Frome          |
| Bates, H. S. ....        | Merrickville    | McLean, W. N. ....         | Erin Tp.       |
| Bell, G. G. ....         | Chesley         | Maguire, H. C. ....        | St. Catharines |
| Bertram, T. S. ....      | Dundas          | Miller, L. R. ....         | Orillia        |
| Blain, T. R. ....        | Barrie          | Miller, H. M. ....         | St. Catharines |
| Bristol, W. M. ....      | Madoc           | Moffatt, R. W. ....        | Bognor         |
| Carson, W. R. ....       | Carsonby        | Montague, F. F. ....       | Hamilton       |
| Chantrell, E. ....       | New Westminster | Moore, W. J. ....          | North Gower    |
| Charlebois, J. P. ....   | Toronto         | Morden, L. W. ....         | Hamilton       |
| Clement, S. R. A. ....   | Innisfil Tp.    | Munro, G. R. ....          | Peterborough   |
| Coleman, R. M. ....      | Toronto         | Nicklin, W. G. ....        | Sarnia         |
| Connery, F. ....         | Toronto         | Paterson, G. W. ....       | Belton         |
| Coone, S. E. ....        | Manilla         | Pattee, L. F. ....         | Trenton        |
| Crane, G. A. ....        | Toronto         | Pettingill, R. E. ....     | Rose Hall      |
| Crosby, N. L. ....       | Hebron          | Phillips, H. E. ....       | Winnipeg       |
| Crysdale, C. R. ....     | Northport       | Power, C. W. ....          | Toronto        |
| Dillabough, G. A. ....   | Morrisburg      | Quick, H. E. ....          | Toronto        |
| Dowling, F. F. ....      | Harriston       | Rayner, G. W. ....         | Thorold        |
| Downey, F. C. ....       | Toronto         | Reynolds, G. B. ....       | Toronto        |
| Drewry, W. S. ....       | Winnipeg        | Richardson, W. L. ....     | Walkerton      |
| Fierheller, H. S. ....   | Markham         | Ross, G. W. ....           | Burford        |
| Fletcher, H. M. ....     | Hamilton        | Rothwell, T. E. ....       | Gifford        |
| Gordon, G. M. ....       | Toronto         | Scott, G. S. ....          | Toronto        |
| Greene, W. H. ....       | Toronto         | Simpson, A. ....           | Galt           |
| Harrington, G. E. ....   | Buffalo         | Sisson, C. E. ....         | Peterborough   |
| Harrison, F. W. ....     | Hagersville     | Smith, F. R. S., B.A. .... | Ingersoll      |
| Hendry, M. C. ....       | Toronto         | Snider, L. E. ....         | Deseronto      |
| Henry, E. A. ....        | Kincardine      | Steele, D. L. ....         | Meaford        |
| Hertzberg, C. S. L. .... | Toronto         | Stevens, W. H. ....        | Lindsay        |
| .....                    | Junction        | Stewart, D. L. N. ....     | Ottawa         |
| Hett, S. ....            | Sutton West     | Stubbs, W. F. ....         | Lakefield      |
| Hewson, W. G. ....       | Niagara Falls   | Sturdy, N. H. ....         | Buffalo        |
| Holmes, O. B. ....       | Selkirk         | Swan, W. G. ....           | Kincardine     |
| Howard, J. A. ....       | Springvale      | Tate, N. S. ....           | Cavan Tp.      |
| Jepson, W. C. ....       | Niagara Falls   | Thomson, L. R. ....        | Toronto        |
| Jones, G. S. ....        | Smith's Falls   | Thomson, J. E. ....        | Toronto        |
| Jones, W. C. ....        | Port Hope       | Traill, J. J. ....         | Toronto        |
| Jupp, A. E. ....         | Toronto         | Turner, W. E. ....         | Orangeville    |
| Kribs, G. ....           | Hespeler        | Uren, A. E. ....           | Ingersoll      |
| Latornell, A. ....       | Meaford         | Wagner, H. L. ....         | Toronto        |
| Leighton, J. W. ....     | Toronto         | Wallace, W. W. ....        | North Gower    |
| MacInnes, J. ....        | Ripley          | Webster, W. G. ....        | Oakwood        |
| MacKenzie, W. D. ....    | Kirkfield       | Wheeler, J. S. ....        | Kirkfield      |
| MacKinnon, W. ....       | Fenelon Falls   | Wilkie, J. H. N. ....      | Toronto        |
| McGiverin, F. A. ....    | Hamilton        | Wilson, J. M. ....         | Toronto        |

## NON-REGULAR STUDENTS TAKING FULL COURSE.

|                                 |                |                        |                  |
|---------------------------------|----------------|------------------------|------------------|
| Ainlay, W. L. ....              | Brussels       | McCurdy, J. A. D. .... | Toronto          |
| Anderson, S. S. ....            | Windsor        | McDonald, L. C. ....   | Walton           |
| Arens, H. W. ....               | Orillia        | McGregor, J. M. ....   | Ridgetown        |
| Arnott, G. C. ....              | Toronto        | Mace, T. H. ....       | Toronto          |
| Baldwin, F. W. ....             | Toronto        | Martin, H. ....        | Toronto          |
| Bevan, W. H. B. ..              | Niagara Falls  | Merritt, R. N. ....    | Toronto          |
| Bird, A. W. ....                | Putnam         | Pennington, C. H. .... | London           |
| Bourke, E. W. Kingston, Jamaica |                | Racey, G. W. ....      | Comber           |
| Brady, W. S. ....               | Toronto        | Roddick, J. O. ....    | Brantford        |
| Broadfoot, F. C. ....           | Seaforth       | Ross, C. ....          | Port Robinson    |
| Cavanagh, T. L. ....            | Moosomin       | Rundle, L. P. ....     | Goderich         |
| Cochrane, W. C. ....            | Toronto        | Ryerson, G. C. ....    | Toronto          |
| Dill, A. W. ....                | Toronto        | Schell, F. S. ....     | Brantford        |
| Evans, H. W. ....               | Toronto        | Serson, H. V. ....     | Antrim           |
| Ferguson, G. H. ....            | Toronto        | Shirriff, C. H. ..     | Niagara Falls S. |
| Fletcher, W. ....               | St. Catharines | Sibley, J. ....        | Toronto          |
| Ford, E. A. ....                | Belleville     | Thompson, H. L. ....   | Hamilton         |
| Greene, E. A. ....              | Orillia        | Tillson, E. D. ....    | Tilsonburg       |
| Horwood, H. O. R. ....          | Toronto        | Turner, G. M. ....     | Victoria         |
| Houser, H. B. ....              | Toronto        | Vaughan, J. M. ....    | Toronto          |
| Hughes, E. V. ....              | Newmarket      | Wickett, W. E. ....    | Toronto          |
| Lewis, R. G. ....               | Balmy Beach    | Wills, P. H. ....      | Belleville       |
| Loudon, T. R. ....              | Toronto        | Wright, G. W. ....     | Toronto          |
| MacKenzie, K. B. ....           | Sarnia         |                        |                  |

## Occasional Students.

|                          |         |                    |               |
|--------------------------|---------|--------------------|---------------|
| Burton, E. F., B.A. .... | Toronto | McLennan, W. S. .. | Buffalo, N.Y. |
| Burwash, E. M. J., M.A.  | Toronto | Wing, J. G. ....   | Hamilton      |

|   |       |
|---|-------|
| Fourth Year Students .....              | 22    |
| Third Year Students .....               | 66    |
| Second Year Students .....              | 106   |
| First Year Students (regular) .....     | 95    |
| First Year Students (non-regular) ..... | 47    |
| Occasional Students .....               | 4     |
|   | <hr/> |
|   | 340   |

## Summary.

|   |       |
|---|-------|
| University of Toronto, Students in Arts .....                               | 8     |
| University College, Students in Arts .....                                  | 619   |
| Victoria University, Students in Arts .....                                 | 256   |
| University of Toronto, Students in Medicine .....                           | 494   |
| University of Toronto, Students in Applied Science<br>and Engineering ..... | 340   |
|   | <hr/> |
| Total.....  | 1717  |

## HISTORICAL SKETCH.

The movement which ended in the establishment of the University of Toronto as the centre of the educational system of the Province of Ontario originated with General Simcoe, the First Governor of Upper Canada, who repeatedly expressed his conviction, both before his departure from England and also during his term of office (1792-1796), that the best interests alike of the Government and of the inhabitants demanded the establishment of a University in Upper Canada. It was not, however, during his administration that the project assumed a definite form.

In 1797 the Legislative Council and House of Assembly in a joint address to King George III. asked "that his Majesty would be graciously pleased to direct his Government in the Province to appropriate a certain portion of the waste lands of the Crown as a fund for the establishment and support of a respectable Grammar School, in each district thereof; and also a College or University for the instruction of youth in the different branches of liberal knowledge." To this address a favorable answer was transmitted, and the acting Lieutenant-Governor, the Hon. Peter Russell, was directed to determine the manner and character of the appropriation. In accordance with this request the Executive Council of Upper Canada reported on the 1st December, 1798, that an appropriation of 500,000 acres would be sufficient for the support and maintainance of four Grammar Schools and a University. For the foundation of the latter nothing was done until 1827, when a Royal Charter was granted for the establishment at or near York, as Toronto was then called, of a College "with the style and privileges of a University," to be called "King's College," having for its endowment that portion of the grant of "waste lands" originally provided for the University in the report above referred to. These lands were in 1828 exchanged for 225,944 acres of Crown Reserves.

Owing not only to the character of the endowment, which required time for its realization in a form yielding an annual revenue, but also owing to the terms of the charter, which required all the members of the Faculties to be adherents of one particular religious denomination, the opening of the College was delayed for fourteen years. In consequence of public representations on the sectarian character of the College, all religious tests were abolished by an amended charter which passed the two Houses of the Provincial Legislature and received the Royal Assent in 1837. In 1842 the affairs of the University had assumed such a condition as to render its organization possible, and Faculties of Arts, Medicine, Law and Divinity were established. In that year the erection of the College Building was begun on the eastern portion of the site of



the present Legislative Buildings. In 1843 the first matriculation of students took place, and inaugural addresses and lectures were delivered on the 8th and 9th of June of that year.

The agitation which resulted in the amended charter of 1837 had continued after the opening of the College in 1842, owing to efforts made to defeat the purpose of the amendment, and in 1849 an Act of the Legislature effected important modifications in the constitution of King's College whereby all instruction in Divinity was discontinued, and a larger measure of public control of the affairs of the University instituted, through the formation of a Senate, of which a number of the members were appointed by the Crown. The name was now changed from that of the University of King's College to that of "The University of Toronto."

Three years afterwards the University underwent a further transformation, by which the Act of 1853 abolished the Faculties of Medicine and Law, and divided its functions between the two newly organized corporations of the "University of Toronto" and "University College." To the Senate were assigned the duties of framing the curriculum, holding examinations and admitting to degrees in Arts, Law and Medicine, while to the President and Professors of University College, as a distinct and independent corporation with special powers, were assigned the teaching in Arts and the entire discipline and control of students. The models followed in the reorganization of the Universities, it was claimed, were the University of London and University College, London, both of which had then been only recently established. For thirty-four years the University of Toronto and University College performed the functions respectively assigned to them by this Act.

During the early years of the University it experienced repeated changes in its local habitation. The faculty and students of King's College were at first temporarily accommodated in the Parliament Buildings until the erection of the east wing of King's College admitted of the occupation of their own building. From this they were anew transferred to the old Parliament Buildings in 1853, when, by a special Act, the site of King's College was appropriated for the proposed new buildings for the use of the Parliament of Upper and Lower Canada. On the return of the Legislature to Toronto, in 1856, the Faculty resumed the occupation of the old King's College Building, while one formerly in use by the Medical Faculty, situated on the site of the present Biological Building, was being adapted for their occupation. There accordingly the work of the College was carried on, pending the erection of the new University buildings. These buildings were begun in 1856, and on October 4th, 1858, the top stone of the main tower was placed in position by Sir Edmund Head, the Governor-General, an old Oxford professor, the value of whose sympathy and support at this critical period in the history of the University cannot be overestimated.



For thirty-four years the constitution of the University of Toronto and of University College remained unchanged. Other collegiate bodies, principally denominational schools of theology, entered into affiliation with the University, and, with regard to their especial requirements, the course of study in Oriental Languages was augmented, but the Faculty of University College continued to do the work of instruction for nearly all the students in Arts who presented themselves for examination. The candidates for examinations and degrees in Medicine were trained in medical schools in affiliation with the University, and for degrees in Law the examinations were based upon text-books prescribed by the Senate, without teaching.

In 1887 both the University of Toronto and University College were remodelled by the University Federation Act. The main object of renewed legislation was to secure a more uniform standard of higher education by the union of the various denominational universities of Ontario with the Provincial University. Since the proclamation of the Act, Victoria University at Cobourg, representing the Methodist body, has entered into federation with the University of Toronto. The governing body of this institution is now represented on the Senate of the University of Toronto, its graduates elect representatives to the same body, and by the removal of the faculty and students of Victoria University to Toronto, where college buildings have been erected to the north of Queen's Park, the Union of the two universities has been effected. Under the Federation Act, the theological colleges also, formerly in affiliation with the University of Toronto, have become federated colleges, and enjoy increased representation on the Senate.

The Faculty of University College, by the Act of 1887, consists of professors and lecturers in Classical Languages and Literature (including lecturers in Ancient History), Oriental Languages, English, French, German and Moral Philosophy. All other portions of the Arts course are assigned to the Faculty of the University of Toronto, of which the lectures are made equally available to the students of University College, and those of all federating universities and colleges. For the maintenance of certain of the departments of science on a scale demanded by modern methods of research, special provision has been made by the erection of new and the enlargement of old buildings. In the new Biological building every facility is now provided for practical training in Biology and Physiology. The Chemical Building was completed in 1895, and affords similar facilities for practical work in Chemistry.

A Faculty of Medicine in the University of Toronto was established immediately upon the passing of the Act in 1887, and teaching is imparted in all branches of medical science. All the advantages of the Faculty of Arts are available for the students in Medicine, and the laboratories of the scientific departments are utilized equally by students in both faculties.

In 1888 a stimulus was given to the study of scientific methods of farming by the affiliation of the Ontario Agricultural College, and the adoption of a curriculum of study for the degree of Bachelor of the Science of Agriculture. Similarly an examination for the degree of Doctor of Dental Surgery was instituted, as a consequence of the affiliation of the Royal College of Dental Surgeons of Ontario. The College of Pharmacy was subsequently admitted to affiliation, and a curriculum in Pharmacy prescribed. On the affiliation of the Toronto College of Music a curriculum of study was prepared for the degree of Bachelor of Music. The School of Practical Science was affiliated in 1889, and graduates of the School are specially eligible on certain conditions for the degrees of Bachelor of Applied Science and of various degrees in Engineering in the University. By a recent enactment of the Senate a curriculum was prescribed leading to the degree of Bachelor and Doctor of Pedagogy. In 1897 a course of study was established leading to the degree of Doctor of Philosophy in certain of the Arts departments. In 1897 also the Ontario Veterinary College was affiliated.

On February 14th, 1890, the main University building was partly destroyed by fire. In the reconstruction thereby rendered necessary, opportunity was afforded for important improvements in lighting, heating and ventilation. Considerable extension was effected in the numbers, capacity and equipment of the lecture-rooms and laboratories. A new library building was erected on plans embracing the most recent improvements suggested by the experience of leading Universities in the United States and elsewhere. A building for the accommodation of the Gymnasium was erected in 1892, and additions to it were completed in 1894 for the accommodation of student societies.

## BENEFACTIONS AND DONATIONS.

### The Library Building.

|                         |           |                         |             |
|-------------------------|-----------|-------------------------|-------------|
| D. W. Alexander.....\$  | 100 00    | Robert Jaffray (a de-   |             |
| Dr. Barbour .....       | 2,422 22  | benture) .....          | \$ 1,000 00 |
| W. H. Beatty.....       | 1,000 00  | John Keith .....        | 200 00      |
| Bell, Begg & Cowan....  | 100 00    | Kilgour Bros. ....      | 500 00      |
| Caldecott, Burton & Co. | 100 00    | W. D. Matthews.....     | 1,000 00    |
| Canadian Bank of Com-   |           | M. McConnell .....      | 100 00      |
| merce .....             | 1,000 00  | McGaw & Winnett....     | 250 00      |
| Joseph Cawthra .....    | 500 00    | William Mulock.....     | 5,000 00    |
| William Christie .....  | 5,000 00  | H. W. Nelson.....       | 100 00      |
| Copp, Clark Co.....     | 100 00    | E. B. Osler .....       | 10,000 00   |
| George A. Cox.....      | 5,000 00  | Province of Quebec...   | 10,000 00   |
| Miss Cumberland .....   | 3 00      | John Pugsley .....      | 200 00      |
| Davidson & Hay.....     | 1,012 50  | Elias Rogers .....      | 100 00      |
| Rev. A. Dowsley.....    | 4 40      | James Scott .....       | 500 00      |
| The Goldsmith's Co....  | 241 67    | Mrs. Emily Smart....    | 500 00      |
| Geo. Gooderham .....    | 10,000 00 | Dr. Andrew Smith....    | 500 00      |
| W. G. Gooderham.....    | 1,000 00  | Dr. Larratt W. Smith..  | 500 00      |
| W. B. Hamilton.....     | 250 00    | Col. Sweny .....        | 500 00      |
| H. C. Hammond.....      | 1,000 00  | Warwick & Sons.....     | 100 00      |
| Dr. John Hoskin.....    | 1,000 00  | Wyld, Grasett & Darling | 200 00      |

### Gymnasium Building.

|                            |        |                           |        |
|----------------------------|--------|---------------------------|--------|
| Collected before 1880      |        | John Macdonald & Co....\$ | 10 00  |
| (names not obtainable). \$ | 650 23 | J. H. McCullough.....     | 2 00   |
| Dr. H. W. Aikins.....      | 25 00  | William Mulock .....      | 600 00 |
| Prof. E. J. Chapman....    | 50 00  | Dr. R. A. Pyne.....       | 10 00  |
| D. B. Dick.....            | 50 00  | Dr. R. A. Reeve.....      | 100 00 |
| J. T. Duncan.....          | 5 00   | Dr. A. H. Wright.....     | 40 00  |
| Literary and Scientific    |        | Prof. R. Ramsay Wright.   | 60 00  |
| Society .....              | 800 00 |                           |        |

### Physical Laboratory.

The following contributions have been made to aid in completing the equipment of the Physical Laboratory:—

|                           |          |                         |       |
|---------------------------|----------|-------------------------|-------|
| Prof. Alfred Baker.....\$ | 50 00    | W. D. LeSeuer.....      | 10 00 |
| J. H. Balderson.....      | 15 00    | Hon. John Macdonald...  | 50 00 |
| George Baptie .....       | 5 00     | Dr. N. MacNish.....     | 25 00 |
| A. K. Blackadar.....      | 20 00    | J. L. McDougall.....    | 50 00 |
| H. S. Brennan.....        | 10 00    | Dr. L. McFarlane.....   | 10 00 |
| Mrs. Alex. Cameron....    | 1,000 00 | Hon. Wm. MacMaster...\$ | 50 00 |
| T. D. Delamere .....      | 20 00    | J. McMillan .....       | 5 00  |
| Prof. Galbraith .....     | 50 00    | F. F. Manly.....        | 10 00 |
| J. C. Glashan.....        | 30 00    | Alfred H. Marsh.....    | 20 00 |
| William Gooderham ....    | 50 00    | Charles Moss .....      | 50 00 |
| F. Hayter .....           | 25 00    | Sir Oliver Mowat.....   | 50 00 |

|                       |        |                        |        |
|-----------------------|--------|------------------------|--------|
| William Mulock .....  | 200 00 | McL. Stewart .....     | 50 00  |
| Dr. W. Oldright.....  | 10 00  | Sir Daniel Wilson..... | 50 00  |
| Dr. R. A. Reeve.....  | 165 00 | Frederick Wyld .....   | 100 00 |
| E. H. Rutherford..... | 50 00  | Prof. G. P. Young..... | 50 00  |
| William Scott .....   | 10 00  |                        |        |

This Laboratory has also received from the Hon. R. H. Meade, C. B., Colonial Office, London, England, the gift of a large Binocular Microscope with accessories.

## Pathological Laboratory.

A subscription list was opened in February, 1890, for the purpose of raising a fund for the equipment of the Pathological Laboratory. The whole sum paid to the Bursar and expended for this purpose was \$1,206.92, after the deduction of \$1.58 for incidental expenses of collection. The following is the list of subscribers:—

|                      |          |                       |          |
|----------------------|----------|-----------------------|----------|
| M. H. Aikins.....    | \$ 40 00 | Mr. Goldie, Galt..... | \$250 00 |
| W. T. Aikins.....    | 250 00   | J. E. Graham.....     | 60 00    |
| G. R. Avison.....    | 13 00    | S. M. Hay.....        | 5 00     |
| L. F. Barker.....    | 5 00     | J. H. Hudson.....     | 5 00     |
| Price Brown.....     | 10 00    | W. H. Johnson.....    | 10 00    |
| J. H. Burns.....     | 5 00     | A Lady .....          | 5 00     |
| Dr. Burt, Paris..... | 10 00    | James Leslie .....    | 10 00    |
| I. H. Cameron.....   | 30 00    | L. McFarlane.....     | 120 00   |
| F. W. Cane.....      | 8 00     | B. E. McKenzie.....   | 10 00    |
| J. Caven .....       | 10 00    | A. McPhedran .....    | 34 00    |
| W. P. Caven.....     | 5 00     | W. Oldright .....     | 3 00     |
| G. S. Cleland.....   | 10 00    | G. A. Peters .....    | 10 00    |
| T. S. Cullen.....    | 5 00     | R. A. Reeve.....      | 150 00   |
| J. T. Duncan.....    | 34 00    | B. L. Riordan.....    | 5 00     |
| A. T. Ellis.....     | 2 00     | R. Rowan .....        | 10 00    |
| J. Ferguson .....    | 30 00    | H. C. Scadding.....   | 3 50     |
| T. A. Ferguson.....  | 5 00     | W. J. Wagner.....     | 5 00     |
| G. Féré.....         | 8 00     | M. Wallace .....      | 8 00     |
| C. M. Foster .....   | 5 00     | A. H. Wright.....     | 20 00    |

## Scholarship Funds.

|  |             |  |           |
|--|-------------|--|-----------|
| Richard Noble Starr, M.<br>D. (Medals in the Fa-<br>culty of Medicine) .....   |             | Dr. A. H. F. Barbour,<br>of Edinburgh (The<br>George Brown Schol-<br>arship in Medical Sci-<br>ence) ..... | 5,055 56  |
| Bankers of Toronto,<br>viz., The Canadian<br>Bank of Commerce,<br>the Dominion, Im-<br>perial, Standard and<br>Traders' Banks, and<br>the Union Bank of<br>Lower Canada (Politi-<br>cal Science) ..... | \$ 1,200 00 | Hon. Edward Blake<br>(Matriculation Schol-<br>arships) .....   | 15,000 00 |
|  |             | Hon. Edward Blake<br>(Mathematics, Physics<br>and Science) .....   | 3,750 00  |



|   |             |   |          |
|---|-------------|---|----------|
| George Brown Scholarship, by Friends of the late Hon. Geo. Brown (Modern Languages) ..... | 1,054 82    | William Ramsay, of Bowlands, Scotland (Political Economy) ..  | 1,009 42 |
| Alexander T. Fulton (Mathematics, Physics and Science)....                                | 3,000 00    | Julius Rossin, M.A., of Hamburg, Germany (Modern Languages) ..  | 1,000 90 |
| Hon. John Macdonald (Philosophy) .....  | 1,950 00    | T. B. P. Stewart.....   | 961 32   |
| Friends of the late Hon. Alexander Mackenzie (Political Science) .                        | 16,425 00   | Toronto Committee of the American Association for the Advancement of Science (Mathematics, Physics and Science) .....   | 2,350 00 |
| Moss Scholarship, by friends of the late Hon. Chief Justice Moss (Classics) .....         | \$ 2,000 00 | Daniel Wilson Scholarship, by a friend of the late Sir Daniel Wilson (Chemistry and Mineralogy and Natural Science) ... | 2,000 00 |
| Mary Mulock (Matriculation Classics) .....  | 2,000 00    | The Young Memorial Fund, by friends of the late Professor George Paxton Young   | 3,018 74 |
| William Mulock (Classics, Mathematics)...   | 2,000 00    |   |          |
| His Royal Highness the Prince of Wales (Matriculation) .....                              | 900 00      |   |          |

### Annual Donations.

- His Excellency the Governor-General, *Gold and Silver Medals.*  
 Professor Chapman, *Prizes for Mineralogy and Geology.*  
 Minister of Foreign Affairs for the Kingdom of Italy, *Prizes for Italian.*  
 F. T. Shutt, M.A., *Medal for Natural Science.*  
 J. C. Glashan, LL.D., *Medal for Mathematics.*  
 Alumni of Ottawa, *Medal for Physics.*  
 The Senate of Knox College, *Two Scholarships in Oriental Literature.*  
 Frederick Wyld, Esq., *Prize for English Composition.*  
 Goldwin Smith, M.A., D.C.L., William Dale, M.A., *Matriculation Scholarships in Classics.*  
 The Medical Faculty, *Four Undergraduate Scholarships, one Gold and three Silver Medals.*  
 R. A. Reeve, B.A., M.D., *a Scholarship for Medical Research.*  
 J. W. Flavell, Esq., *a Travelling Fellowship in Classics or English and History.*  
 Hon. J. M. Gibson, *a Matriculation Scholarship.*  
 Daniel Clark, M.D., *Prizes for Medical Psychology.*  
 Members of the Executive of the Toronto Board of Trade, 1901, *Prizes of \$250 for Course in Commerce.*  
 P. W. Ellis, Esq., Toronto, *Medals in the Commercial Course and in the Department of Political Science.*



## Library Funds.

The King Alfred Millenary Fund, a donation from Professor Goldwin Smith and Mrs. Smith, \$10,000.

## Donations of Books.

Since the destruction of the University Library by fire in 1890, upwards of 30,000 volumes have been presented by various persons and organizations. For a complete list of these, see Appendix to Calendars of 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901 and 1902. The following donations have been received between January, 1902, and January, 1903:—

Government of Belgium, 2 Vols.; Government of Canada, 18 Vols.; Government of Cape Colony, 5 Vols.; Government of France, 24 Vols., 11 Pamphlets; Government of Italy, 3 Vols., 4 Pamphlets; Government of Manitoba, 3 Vols.; Government of New Brunswick, 1 Vol.; Government of New South Wales, 1 Vol., 16 Pamphlets; Government of Ontario, 11 Vols.; Government of Quebec, 4 Vols.; State of Maine, 1 Vol.; State of Massachusetts, 2 Vols., 1 Pamphlet; State of New Jersey, 13 Vols.; State of Rhode Island, 1 Vol.; Government of United States, 21 Vols., 83 Pamphlets; American Historical Association, 2 Vols.; Australian Association for Advancement of Science, 1 Vol.; American Young Men's Christian Association of North America, 1 Pamphlet; American Museum of Natural History, New York, 3 Vols.; Akademie f. Sozial. u. Handelwiss, Frankfurt am Main, 1 Pamphlet; Armour Institute of Technology, 1 Pamphlet; Bodleian Library, Oxford, 1 Vol., 1 Pamphlet; British Museum, 12 Vols.; Bureau Communal de Statistique, Budapest, 1 Vol.; Bureau of American Ethnology, 1 Vol.; Bergen's Museum, 1 Vol., 2 Pamphlets; Bureau f. Bremische Statistik, 1 Vol.; Carnegie Museum, Pittsburg, 4 Pamphlets; Canadian Red Cross Society, 1 Vol.; Comité Organisateur du Congrès Internat. des étudiants, Budapest, 1 Pamphlet; Cambridge Philosophical Society, 16 Pamphlets; Canadian Conference of Charities, 1 Pamphlet; Commission f. Oceanographische Forschungen, Wien, 1 Vol., 3 Pamphlets; Clinical Society of London, 1 Vol.; Canadian Manufacturers' Association, 1 Pamphlet; Dominion Educational Association, 1 Vol.; Essex Institute, 1 Vol.; Geological Society of America, 1 Vol.; Glasgow Hospital, 3 Vols.; Geological Survey of Canada, 1 Pamphlet; Geological Society of London, 1 Pamphlet; Hartford Theological Seminary, 1 Pamphlet; Historical Department of Iowa, 1 Vol.; Institution of Mechanical Engineers, 4 Vols.; Institution of Civil Engineers, 3 Vols.; International Engineering Congress, Glasgow, 1 Vol.; Institute of Chemistry, London, 4 Pamphlets; Johns Hopkins University Press, 1 Vol.; John Crerar Library, Chicago, 1 Vol., 1 Pamphlet; Journal of

the American Medical Association, Chicago, 1 Vol.; Königl. Preuss. Akademie d. Wissenschaften, Berlin, 27 Pamphlets; Kansas State Historical Society, 3 Vols.; Kaiserl. Leopold Carolin. Deutsche Akademie d. Naturforscher, 1 Vol.; Kongl. Vitterhets Hist., och Antiq. Akademie, 10 Vols., 1 Pamphlet; King's College Hospital, 1 Vol.; Lewis Institute, Chicago, 1 Pamphlet; Long Island Historical Society, 3 Vols.; Massachusetts Institute of Technology, 1 Vol.; Missouri Botanical Garden, 1 Vol.; Det Meteorologiske Institut, Christiania, 1 Vol.; New York Historical Society, 2 Vols.; Niagara Falls, New York, Public Library, 3 Pamphlets; National Academy of Science, Washington, 1 Vol.; Ohio Historical and Philosophical Society, 1 Pamphlet; Ontario Association of Architects, 1 Pamphlet; Oberhessische Gesellschaft f. Natur u. Heilkunde, Giessen, 1 Vol.; Pathological Society of London, 3 Vols.; Public Library, Boston, 1 Pamphlet; Royal Institution of Great Britain, 1 Vol., 1 Pamphlet; Rochester Theological Seminary, 1 Pamphlet; Royal Society of New South Wales, 1 Vol.; Royal Colonial Institute, 2 Vols.; Royal Academy of Medicine, Dublin, 2 Vols.; Royal Society of Canada, 1 Vol.; Royal Victoria Hospital, Montreal, 1 Pamphlet; Royal Society of London, 2 Vols.; Royal Historical Society, 1 Vol.; Royal Irish Academy, 5 Vols.; Royal Library, Copenhagen, 1 Vol., 2 Pamphlets; Radcliffe Library, Oxford, 1 Pamphlet; Smithsonian Institution, 2 Vols.; State Historical Society of Wisconsin, 1 Vol.; Students' Volunteer Movement, 1 Vol.; Society for Study of Disease in Children, London, 1 Vol.; St. Thomas Hospital, 1 Vol.; Thompson Yates' Laboratories, 1 Vol.; Toronto Astronomical Society, 1 Vol.; University Club, New York, 2 Vols.; Virginia Historical Society, 1 Vol.; Verein f. Schlesische Insektenkunde, Breslau, 1 Pamphlet; Welcome Chemical Research Laboratories, 4 Pamphlets; Wentworth Historical Society, 1 Pamphlet; Wyoming Historical and Geological Society, 1 Vol.; Yorkshire Philosophical Society, 1 Pamphlet; Zoological Society of London, 4 Vols.

Amsterdam, University of, 57 Pamphlets; Adelaide, University of, 3 Vols.; Aberdeen, University of, 1 Vol.; Amherst College, 1 Pamphlet; Auckland University, 1 Vol.; Basel Universität, 200 Pamphlets; Bishop's College, Lennoxville, 1 Pamphlet; Bowdoin College, 1 Pamphlet; Berne, Université de, 100 Pamphlets; Bryn Mawr College, 1 Vol., 1 Pamphlet; Bruxelles, Université de, 1 Pamphlet; Brown University, 1 Pamphlet; Bonn Universität, 78 Pamphlets; Catholic University of America, 1 Pamphlet; Colorado, University of, 1 Pamphlet; Cape of Good Hope University, 1 Vol.; Collegiate School of St. John Baptist, Antigonish, 1 Pamphlet; Cornell University, 12 Pamphlets; Coimbra, University of, 1 Vol., 1 Pamphlet; Chicago, University of, 1 Vol., 3 Pamphlets; Columbia University, 2 Vols.; Canterbury College, 1 Vol.; College of the Holy Cross, Worcester, 1 Vol.; Dartmouth College, Hanover, N.H., 1 Vol.; Dundee, University of, 1 Pamphlet; Dublin Uni-

versity, 1 Vol.; Dalhousie College, Halifax, 1 Pamphlet; Erlangen  
 Universität, 161 Pamphlets; Edinburgh, University of, 2 Vols.;  
 Genève, Université de, 1 Vol.; Graz Universität, 4 Pamphlets; Gießen  
 Universität, 176 Pamphlets; Göttingen Universität, 3 Pamphlets;  
 Glasgow and West of Scotland Technical College, 1 Vol.; Glasgow,  
 University of, 4 Vols.; Grenoble, Université de, 1 Vol.; Heidelberg,  
 Universität, 20 Pamphlets; Harvard University, 1 Vol.; Halle Uni-  
 versität, 122 Pamphlets; Iowa, University of, 2 Vols.; Illinois College,  
 1 Pamphlet; Jena Universität, 222 Pamphlets; Johns Hopkins Univer-  
 sity, 1 Vol., 29 Pamphlets; Knox College, 2 Pamphlets; Louvain,  
 Université de, 1 Vol.; Leland Stanford University, 4 Pamphlets;  
 London, University of, 2 Vols.; London University College, 1 Vol.;  
 Laval University, Quebec, 1 Pamphlet; Lille, Université de, 1 Pamph-  
 let; Leiden, University of, 9 Pamphlets; Mt. Allison College, 1 Pamph-  
 let; Michigan, University of, 1 Vol., 2 Pamphlets; Manitoba, Univer-  
 sity of, 2 Pamphlets; Missouri, University of, 1 Vol.; McGill Univer-  
 sity, 2 Vols., 2 Pamphlets; Marburg Universität, 1 Pamphlet; Mel-  
 bourne, University of, 2 Vols., 2 Pamphlets; New York, University of  
 State of, 3 Vols., 6 Pamphlets; Nebraska, University of, 1 Vol.; North-  
 Western University, Chicago, 2 Vols., 3 Pamphlets; North Dakota,  
 State University of, 2 Pamphlets; Ontario College of Pharmacy, 1  
 Pamphlet; Ohio State University, 1 Vol.; Owens College, 1 Vol.;  
 Ottawa, University of, 2 Pamphlets; Princeton University, 3 Vols., 1  
 Pamphlet; Presbyterian College, Halifax, 1 Pamphlet; Paris, Univer-  
 sité de, 6 Pamphlets; Panjab University, 2 Vols.; Pennsylvania, Uni-  
 versity of, 4 Vols., 22 Pamphlets; R. Scuola Superiore d'Agricoltura,  
 Portici, 1 Vol.; R. Università degli Studi di Padova, 1 Vol.; Queen's  
 College, Kingston, 2 Vols.; Queen's College, Galway, 1 Vol.; Roches-  
 ter, University of, 1 Vol.; School of Medicine, Cairo, 1 Vol.; Sydney,  
 University of, 1 Vol., 1 Pamphlet; Sassari, Università di, 1 Pamphlet;  
 St. Francis Xavier's College, University of, 1 Pamphlet; St. Andrew's  
 University, 2 Vols.; St. Margaret's College, Toronto, 1 Pamphlet;  
 Toulouse, Université de, 1 Vol.; Tennessee, University of, 1 Pamphlet;  
 Tübingen Universität, 72 Pamphlets; Utrecht, University of, 29 Pamph-  
 lets; Upsala, University of, 2 Vols., 1 Pamphlet; Utah, University of,  
 1 Pamphlet; University College of S. Wales and Monmouthshire, 1  
 Vol.; Vermont, University of, 1 Pamphlet; Vassar College, 1 Pamph-  
 let; Victoria University, 1 Vol.; Women's Medical College, Baltimore,  
 1 Pamphlet; Wesleyan University, Middletown, 1 Pamphlet; Würz-  
 burg Universität, 127 Pamphlets; Wisconsin, University of, 1 Vol., 13  
 Pamphlets; Yale University, 1 Vol., 1 Pamphlet.

Prince of Monaco, 1 Vol., 4 Pamphlets; Adams, C. F., Boston, 1  
 Pamphlet; Ami, H. M., Ottawa, 4 Pamphlets; American Law Book  
 Co., 1 Vol.; Messrs. Butterworth & Co., London, 1 Vol.; Borradaile,  
 A. F., Darlington, Eng., 1 Vol.; Brockhaus, F. A., Leipzig, 1 Vol.;



City Engineer, Toronto, 1 Vol.; City Treasurer, Montreal, 1 Vol.; De Coubertin, P., 2 Pamphlets; Copp, Clark Co., Toronto, 6 Vols.; Cormack, J. D., London, 3 Vols.; Messrs. Dodd, Mead & Co., New York, 1 Pamphlet; Delegates of the Press, Oxford, 1 Vol.; E. P. B., 1 Vol.; Ferguson, Prof., Glasgow, 1 Pamphlet; Fitzpatrick, A., Nairn Centre, 1 Vol.; Fraser, Prof. W. H., Toronto, 1 Vol.; Gillis, E., Toronto, 3 Vols.; Gage & Co., Toronto, 1 Vol.; Ginn & Co., Boston, 1 Pamphlet; Hodgins, J. G., Toronto, 1 Vol.; Hart, E., Rochester, 1 Vol.; Hardy, E. A., Lindsay, 1 Pamphlet; Hodgins, T., Toronto, 1 Pamphlet; Horten-Smith, L., Cambridge, 1 Pamphlet; James, J. Courtenay, 1 Vol.; Keys, D. R., Toronto, 1 Vol.; Lewis, I., Goderich, 1 Photograph; Le Rossignol, J. E., Denver, 1 Pamphlet; MacDonald, A., Washington, 2 Pamphlets; Merck, E., Darmstadt, 2 Vols., 2 Pamphlets; Millar, J., Toronto, 7 Pamphlets; Mills, Wesley, Montreal, 1 Vol.; Munro, W. F., Toronto, 2 Vols.; Minister of Education, Toronto, 2 Vols.; Oliver, C. A., Philadelphia, 1 Pamphlet; Poulton, Prof., Oxford, 1 Vol.; Pottinger, F. M., Los Angeles, 6 Pamphlets; Praun, J., München, 1 Vol.; Revel, J., Rouen, 1 Vol.; Secretary of State, Ottawa, 3 Vols.; Messrs. C. P. Sparling & Co., Toronto, 2 Vols.; Sharpe, W., London, 1 Pamphlet; Squair, Prof., Toronto, 7 Vols.; Sawyer, Sir J., Birmingham, 1 Vol.; Thompson Co., Ewd., Northport, 2 Vols.; Unsworth, R., Fergus, 1 Vol.; Walker, A. T., Univ. of Kansas, 1 Pamphlet; Welcker, A., San Francisco, 2 Pamphlets; Welch, T. V., 1 Vol.; Weinberg, B., Odessa, 1 Pamphlet; Young, A. H., Toronto, 1 Pamphlet; Zubiaus, J. B., Buenos Aires, 1 Pamphlet.

### Museum.

The following donations were received by the Biological Museum from May 15th, 1901, up to May 15th, 1902:—

1. A valuable series of specimens illustrative of the Fauna of Borneo—chiefly Mammalian Skins and Skeletons—from Charles Hose, Esq., Resident, Baram District, Sarawak.
2. Specimen of Saw-whet Owl, from James Brebner, Esq., B.A., '91.
3. Two molars of Mammoth, found in Dawson City, from Byron E. Walker, Esq.
4. Various specimens of natural history and ethnology, from A. C. Pantou, Esq., M.B., '82, Portland, Oregon.
5. Mounted Secretary Bird, from Somaliland, from Captain R. Lloyd-Phillips, First Life Guards.
6. Mounted specimen and skeleton of Giant Tortoise, from the Galapagos Islands, from Joseph Kilgour, Esq.
7. Specimen of Jamaica Bat, from F. I. Routh, Esq.
8. Enlarged photograph of Cariboo herd in the Barren Lands, from Joseph B. Tyrrell, Esq., M.A., '89.

9. Collection of fossil corals from Manitoulin Islands, Dr. A. J. Hunter, B.A., '91.
10. A series of Canadian birds, collected and mounted by himself, from Mr. R. T. Anderson, '04.
11. Specimens of Rainbow Darters, from Maitland River, Ont., from Mr. B. D. Grant, Goderich.
12. Dr. Hibbert Winslow Hill, Boston, Dentons, Moths and Butterflies of the United States.
13. Frederic Nicholls, Esq., \$25; Kilgour Brothers, \$125.

### Portraits and Works of Art.

The following portraits and works of art have been presented to the University:—

1. A portrait of the late Hon. William Hume Blake (oil painting by T. Hamel), presented by the Hon. Edward Blake.
2. A portrait of the Hon. Edward Blake, Chancellor 1876-1900 (oil painting by E. Wyly Grier), presented by graduates and friends.
3. A portrait of Prof. E. J. Chapman (oil painting by Miss Frances Sutherland), presented by the artist.
4. A portrait of the late Professor Henry Holmes Croft (oil painting by A. Dickson Patterson), presented by friends of Professor Croft.
5. A portrait of the late President Dr. McCaul (oil painting by A. Dickson Patterson), presented by the artist.
6. A portrait of the late Chief Justice Moss, Vice-Chancellor 1875-1881 (oil painting by Miss C. S. Berthon, copy of oil painting by M. Berthon), presented by the Hon. Mr. Justice Moss.
7. A portrait of the late Right Reverend Bishop Strachan (oil painting copy), presented by the Council of University College.
8. A portrait of the late President Sir Daniel Wilson (oil painting by A. Dickson Patterson), presented by friends of Sir Daniel Wilson.
9. A portrait of Professor E. J. Chapman (oil painting by A. Dickson Patterson), presented by graduates and friends.
10. A marble bust of the late Professor George Paxton Young (by Hamilton McCarthy), presented by friends of Professor Young.
11. A portrait of the late Professor George Paxton Young (oil painting by W. Allaire Shortt), presented by the artist.
12. Steel engraving of Sir John Colbourne, afterwards Lord Seaton, Lieutenant-Governor of Upper Canada from 1830 to 1838, presented by Mr. Henry Hutchison.
13. "The Call to Duty" (oil painting by Paul Giovanni Wickson), presented to the Medical Faculty by the artist.
14. The "Marriage of the Duke of York" and "The King of Denmark's First Visit," commemorative medals, presented by the Town Clerk of London, England.



15. Bronze medal commemorative of the sesquicentennial anniversary of the founding of the College of New Jersey (Princeton University), presented by the Trustees of Princeton University.

16. Bronze medal commemorative of the 150th anniversary of the capture of Louisbourg in 1745, presented by the Louisbourg Memorial Committee of the General Society of Colonial Wars.

17. Bronze medal commemorative of the 50th anniversary of Sir George Gabriel Stokes' appointment to a professorship in the University of Cambridge.

18. Busts of Dr. W. T. Aikins, Dr. J. H. Richardson, and Dr. H. H. Wright, by the Medical Faculty and other friends.

19. Bust of the late Hon. George Brown, and portrait of the late Professor Croft, by Dr. Reeve.

20. Portraits of their Royal Highnesses the Prince and Princess of Wales, presented by their Royal Highnesses, as a souvenir of their visit to the University in 1901.

21. Portrait of the Hon. William Mulock, M.P., LL.D., Ex-Vice-Chancellor of the University, presented by members of the Senate and other friends.

22. A steel engraving after Turner, by the late Sir Daniel Wilson, presented by Charles James Heywood, Esq., Manchester, Eng.

23. A collection of medals and coins, bequeathed by the late Dr. Scadding.

### Other Donations.

1. Cannon-ball from the siege of Louisbourg, 1744, presented by Alexander F. Sabine, Philadelphia.

2. Argand lamp from the laboratory of the late Professor W. H. Balmain, Mechanics Institution, 1845-1847, Liverpool, donated by Richard Unsworth, B.A., Fergus.

### University Studies.

The following is a list of Studies published up to January, 1903:—  
Review of Historical Publications relating to Canada, edited by  
Professor GEORGE M. WRONG and H. H. LANGTON.

Vols. I.-VI. Publications of the years 1896-1901.

Each.....\$1.00 (\$1.50 in cloth).

History and Economics, Vol. I. comprising

1. Louisbourg in 1745, the anonymous "Lettre d'un Habitant de Louisbourg," edited and translated by Professor  
GEORGE M. WRONG .....\$0 75

2. Preliminary Stages of the Peace of Amiens, by H. M.  
BOWMAN..... 75

# APPENDIX.

35

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|--|------|
| 3. Public Debts in Canada, by J. ROY PERRY.....  | 50   |
| Do. Vol. II. No. 1: City Government in Canada, by S. MORLEY WICKETT. Westmount, a municipal illustration, by W. D. LIGHTHALL. Municipal Government in Toronto, by S. MORLEY WICKETT . . . . .  | 50   |
| Do. Extra volume:—Early Trading Companies of New France, by H. P. BIGGAR.....  | 4 00 |
| Psychological Series, Vol. I., comprising  |      |
| 1. Spatial Threshold of Colour, by W. B. LANE, with Appendices. . . . .  | 75   |
| 2. A Contribution to the Psychology of Time, by M. A. SHAW and F. S. WRINCH.....   |      |
| 3. Experiments on Time Relations of Poetical Metres, by A. S. HURST and JOHN MCKAY.....  | 75   |
| 4. Conceptions and Laws in Æsthetics, by Professor A. KIRSCHMANN. Experiments on the Æsthetic of Light and Colour, by EMMA S. BAKER. Experiments with School-children on Colour Combination, by W. J. DOBBIE. . . . .  | 1 50 |
| Do. Vol. II. No. 1: The Conception and Classification of Art from a Psychological Standpoint, by Professor O. KÜLPE. Spectrally Pure Colours in Binary Combinations, by EMMA S. BAKER. On Colour-Photometry and the Phenomenon of Purkinje, by R. J. WILSON. Experiments on the Function of Slit-Form Pupils, by W. J. ABBOTT..... | 1 50 |
| Biological Series, No. 1: The Gametophyte of Botrychium Virginianum, by E. C. JEFFREY.....   | 50   |
| Do. No. 2: The Anatomy of the Osmundaceæ, by J. H. FAULL..   | 50   |
| Do. No. 3: On the Identification of Meckelian and Mylohyoid Grooves in the Jaws of Mesozoic and recent Mammalia, by B. ARTHUR BENSLEY.....   | 50   |
| Physiological Series, No. 1: The Structure, Micro-Chemistry and Development of Nerve-Cells, with Special Reference to their Nuclein Compounds, by F. H. SCOTT.....   | 50   |
| Do. No. 2: On the Cytology of Non-Nucleated Organisms, by Professor A. B. MACALLUM.....  | 75   |
| Do. No. 3: Observations on Blood Pressure, by R. D. RUDOLF..   | 75   |
| Anatomical Series, No. 1: The Anatomy of the Orang-Outang, by Professor A. PRIMROSE.....   | 1 00 |
| Geological Series, No. 1: The Huronian of the Moose River Basin, by W. A. PARKS.....   | 50   |
| Do. No. 2: The Michipicoten Iron Ranges, by Professor A. P. COLEMAN and A. B. WILLMOTT.....  | 1 00 |

## Theses Accepted for the Degree of Doctor of Philosophy.

FREDERICK HUGHES SCOTT. 1900.

The Structure, Micro-Chemistry and Development of Nerve Cells, with special reference to their nuclein compounds. University of Toronto Studies, Physiological Series No. 1. 1900. Transactions of the Canadian Institute. 1898-99, Vol. 6, Parts 1 and 2, pp. 405-438.

JOHN CUNNINGHAM McLENNAN. 1900.

Electrical Conductivity in Gases Traversed by Cathode Rays. 1900. Philosophical Transactions of the Royal Society of London. Series A, Vol. 195, pp. 49-77.

FRANCIS BARCLAY ALLAN. 1901.

The Basic Nitrates of Bismuth. 1901, American Chemical Journal, Vol. XXV., No. 4, April, 1901, pp. 307-315.

WILLIAM ARTHUR PARKS. 1900.

The Huronian of the Basin of the Moose River. University of Toronto Studies, Geological Series, No. 1, 1900.

ROSS GEORGE MURISON. 1902.

The Mythical Serpents of Hebrew Literature.  
[1902.]

RICHARD DAVIDSON. 1902.

The Semitic Permansive-Perfect.  
[1902.]

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## Special Lectures.

The following special lectures were delivered in the University during the session 1902-1903:—

M. GERMAIN MARTIN, of the University of Paris, on "La Renaissance en France."

DR. T. A. JAGGAR, of Harvard University, on "The Antillean Volcanic Eruptions."

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## Local Lectures.

To meet the demand for popular lectures on literary and scientific subjects, a committee of the Councils has been annually appointed for several years back to arrange for the delivery of such lectures by members of the Faculty at various centres throughout the Province, and also in Toronto. In order to extend the benefits of the lectures as widely as possible the services of the lecturers are placed at the disposal of any literary or scientific organization desiring them, as far as is consistent

with the academic engagements of the lecturers. During the present academic year 38 lectures have been delivered at 14 local centres. The following programme of lectures was prepared and circulated early in the session:—

MR. A. H. ABBOTT, B.A.—

- (1) The Psychical Aspect of Light and Colour; (2) Colour-Blindness and its Detection. (Both only where there is an electric current).

PROFESSOR W. J. ALEXANDER—

- (1) The Function of Poetry; (2) The Poetry of Robert Browning; (3) Tennyson's "In Memoriam"; (4) The Novel, its Origin and Use; (5) The Novels of Jane Austen; (6) Robert Louis Stevenson.

PROFESSOR E. I. BADGLEY—

- (1) The Ring of Gyges; (2) Plato's Contribution to Christian Thought; (3) Immanuel Kant, his Ethics and Religious Teaching; (4) John Stuart Mill; (5) Herbert Spencer; (6) Stoicism versus Christianity.

PROFESSOR ALFRED BAKER—

- (1) Genius in Science—Sir William Rowan Hamilton; (2) Astrology; (3) The Science of the Ancient Greeks, and the Debt we Owe Them; (4) The Nebular Hypothesis; (5) The Beginnings of Astronomy.

PROFESSOR JOHN BURWASH—

- (1) Studies in Vocal Expression; (2) Science and the Imagination; (3) Water; (4) Light and Colour.

MR. J. HOME CAMERON, M.A.—

- (1) Emile Zola; (2) French Wit and Humour; (3) The English Pre-Raphaelites\* (one or two Lectures as desired).

MR. SAINT ELME DE CHAMP, B. ÈS L.—

- (1) L'Aiglon; (2) Le Roman Français avant 1850; (3) Le Roman Français Contemporain.

PROFESSOR A. P. COLEMAN—

- (1) The Canadian Lakes; (2) The Rivers of Canada; (3) The Ice Age;\* (4) Mountain Building; (5) The Tooth of Time;\* (6) Volcanoes.\*

PROFESSOR PELHAM EDGAR—

- (1) Nationalism in Poetry and Canadian Poets; (2) The Nature Poetry of our Great English Poets; (3) Shelley, the Man and the Poet.

\* With lantern illustrations.



## PROFESSOR W. H. FRASER—

- (1) Dante and the Divina Commedia; (2) Manzoni, Hugo and the Romantics; (3) Mediæval Italy and Florence of the Renaissance; (4) A Glimpse of Italy; (5) Michael Angelo;\* (6) Raphael.\*

## PROFESSOR L. E. HORNING—

- (1) The Evolution of an Author—A Study of Young Goethe; (2) Faust; (3) Influences of English Literature on the Germans of the Eighteenth Century; (4) Life in England in the Days of Alfred; (5) Kipling; (6) Canadian Literature; (7) Universities and Culture; (8) The University and the Business Man.

## PROFESSOR MAURICE HUTTON—

- (1) The Statesmen of Athens; (2) Greek Virtues and Theories of Life; (3) The Women of Greece; (4) Some Oxford Types (first series); (5) Some Oxford Types (second series); (6) The Wit and Wisdom of Herodotus; (7) Some Aspects of Classical Education; (8) The Roman, the Greek, the Englishman, and the Frenchman (one or two lectures as desired); (9) Plato on University Education; (10) The Antigone of Sophocles; (11) Athenian Literature (first period); (12) Athenian Literature (second period); (13) Roman Life, Literature and Later Analogies (two lectures); (14) Plutarch; (15) The Tyrants of Greece; (16) Some Educational Controversies; (17) Robert Browning as a Greek Scholar; (18) Hellenism; (19) Some Thoughts on present Educational Discontents.

Professor Hutton is also prepared to deliver series of lectures on the Antigone of Sophocles, on the History of the Gracchi, and on the History of the Tyrants of Greece.

## MR. D. R. KEYS, M.A.—

- (1) The American Humorists; (2) Matthew Arnold, the Apostle of Culture; (3) Alfred, King of the Anglo-Saxons.

## PROFESSOR W. R. LANG—

- (1) Matter at Low Temperatures; (2) The Development of the Modern High Explosive; (3) The Chemical and Mineral Exhibits at the Glasgow International Exhibition, 1901. (In Chemical Lecture Theatre only).

## PROFESSOR A. B. MACALLUM—

- (1) Life and Culture of Prehistoric Man\*; (2) The Brain and its Functions; (3) Life and Works of Huxley.

## PROFESSOR J. F. MCCURDY—

- (1) The Message of Israel; (2) Our Debt to the East; (3) Bible Lands and Peoples; (4) The Beginning of the World; (5) Our Eastern Words and Their Story; (6) The Bible in the Schools;

*\*With lantern illustrations.*



Needs and Obligations; (7) The Bible in the Schools: Difficulties and Methods; (8) The Poetry of the Bible; (9) Greece, Rome and Israel; (10) The Prophets of Israel.

PROFESSOR J. F. McLAUGHLIN—

- (1) Mohammed and his Koran; (2) The Story of the Hebrew Bible; (3) The Story of the English Bible; (4) The Poetry of the Hebrews; (5) Old Testament Ethics and Ideals; (6) The Book of Job.

MR. EUGÈNE MASSON—

- (1) Madame de Staël; (2) Lamartine; (3) Dumas père; (4) Dumas fils.

MR. R. G. MURISON, M.A., B.D., PH.D.—

- (1) A Buried Civilization; (2) Recent Discoveries in Egypt; (3) Animal Worship.

MR. W. A. PARKS, B.A. PH.D.—

- (1) The Formation of Coal Beds and the Life of the Coal Forming Age.\*

MR. F. TRACY, B.A., PH.D.—

- (1) The Republic of Plato; (2) Stoicism and Christianity; (3) Theories of Knowledge in relation to Teaching.

PROFESSOR W. H. VANDER SMISSEN—

- (1) Goethe's Life in his Lyrics; \* (2) Schiller's Life in his Lyrics.\*

MR. S. M. WICKETT, B.A., PH.D.—

- (1) The Study of Political Economy; (2) Money; (3) City Government in Canada; (4) The Klondike.\*

PROFESSOR R. RAMSAY WRIGHT—

- (1) Malaria and Mosquitoes (illustrated with diagrams); (2) The Microscopic Life of the Sea\*; (3) The Natural History of the Oyster.\* (Professor Wright will be free to lecture only after Christmas).

PROFESSOR J. MCGREGOR YOUNG—

- (1) The Royal Prerogative; (2) The Monroe Doctrine.

*\*With lantern illustrations.*

## SATURDAY PUBLIC LECTURES.

The following lectures were delivered in the University of Toronto during the session of 1902-1903:—

| <i>Subject.</i>                        | <i>Lecturer.</i>                 |
|--|----------------------------------|
| Jungle Life in India.....              | Professor T. L. Walker           |
| Raphael.....                           | Professor W. H. Fraser           |
| Robert Louis Stevenson.....            | Professor W. J. Alexander        |
| Some Canadian Ideals.....              | Rev. C. W. Gordon (Ralph Connor) |
| The Madrigal, Glee and Part Song.....  | Dr. Albert Ham                   |
| Foreign Influences on Shakespeare..... | Dr. Sidney Lee                   |

## UNIVERSITY EXTENSION.

The following statute, relating to University extension work, was passed by the Senate in April, 1894:—

1. A standing committee of seven members of Senate shall be appointed annually for the purpose of carrying on "University Extension" work of a kind similar to that carried on under the same designation in connection with the Universities of Cambridge and Oxford.

2. The Committee shall have authority to appoint a secretary, define his duties and fix his remuneration.

3. No part of the expense incurred for teaching and examining done at "local centres" of instruction, or for secretarial work done under the authority of the Committee, or for any other purpose connected with University extension, shall be a charge on the ordinary revenue of the University.

4. It shall be the duty of the Committee, subject to ratification by the Senate, to appoint teachers and examiners for approved or prescribed courses of study at local centres, and to grant certificates to such students as may have passed the final examination in each course, and complied with other conditions prescribed from time to time by the Committee.

5. It shall be the duty of the secretary to keep a register, in which shall be entered the name and address of each student who obtains a certificate, with a description of the course of study in which he has passed, and such other particulars as the Committee may from time to time order to be inserted.

## UNIVERSITY STUDENT SOCIETIES.

## Undergraduate Union.

## OFFICERS.

|                           |                      |                             |             |
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*Dental College*... A. Johnston  
*Medical College*. H. A. Stewart

## The 'Varsity.

## EDITORS-IN-CHIEF.

|   |                       |
|---|-----------------------|
| <i>Editor Michaelmas Term</i> .....               | W. H. Vance.          |
| <i>" Easter Term</i> .....                        | M. C. Cameron.        |
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## Medical Faculty Young Men's Christian Association.

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 Musical, C. W. Clark; *Missionary*, J. W. Brien; *Membership*, A. A. Jackson.

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## Mathematical and Physical Society.

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## Philosophical Society.

### OFFICERS.

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## Political Science Club.

### OFFICERS.

|  |  |
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## Medical Society.

### OFFICERS.

|                          |                 |                            |                   |
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| <i>Hon. Treas.</i> ..... | Dr. Rudolf      | <i>Curator</i> .....       | A. F. Malloy      |
| <i>Pres.</i> .....       | G. E. Wilson    | <i>Asst. Curator</i> ..... | A. S. Moorhead    |
| <i>Vice-Pres.</i> .....  | R. J. A. McComb | <i>Coun.</i> .....         | J. Blair          |
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| <i>Treas.</i> .....      | A. T. Carson    | <i>Coun.</i> .....         | G. Gardner        |
| <i>Ass. Treas.</i> ..... | D. F. McKinley  | <i>Coun.</i> .....         | D. A. Sinclair    |

## Harmonic Club.

### OFFICERS.

|                           |                    |                          |                   |
|---------------------------|--------------------|--------------------------|-------------------|
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| <i>Pres.</i> .....        | H. M. Darling      | <i>Curator</i> .....     | G. F. Scott       |
| <i>Vice-Pres.</i> .....   | J. E. Thomson      | <i>Bus. Mgr.</i> .....   | A. H. Adams, B.A. |
| <i>Hon. Vice-Pres.</i> .. | C. L. Wilson, B.A. |                          |                   |

## Athletic Association.

### DIRECTORS.

|                          |                       |                   |                            |
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| <i>Dir.</i> .....        | Prof. C. H. C. Wright | <i>Dir.</i> ..... | J. H. Chown                |

The Athletic Association is now the paramount body in University Athletics, and has entire jurisdiction over the athletic clubs using the University name, and over their finances, members and policy, subject to the University authorities. Henceforth no financial arrangement can be entered into by any such club without the sanction of the Directorate. No expenditure of any kind in connection with any such club can be made without the written order of the Secretary-Treasurer of the Directorate.

## Gymnasium Club.

### OFFICERS.

|                          |                 |                        |                     |
|--------------------------|-----------------|------------------------|---------------------|
| <i>Hon. Pres.</i> .....  | Prof. McCurdy   | Representatives—       |                     |
| <i>Pres.</i> .....       | H. Carveth      | <i>School.</i> .....   | R. Bryce            |
| <i>Vice-Pres.</i> .....  | W. A. Gregg     | <i>School.</i> .....   | J. F. Hamilton      |
| <i>Sec.-Treas.</i> ..... | S. A. Schaefer  | <i>Medicine</i> .....  | G. Hare             |
| Representatives of Arts— |                 | <i>Victoria</i> .....  | R. Pearson          |
| <i>4th Yr.</i> .....     | A. E. Honeywell | <i>Dentals.</i> .....  | W. H. Wood          |
| <i>3rd Yr.</i> .....     | J. G. Parker    | <i>Knox.</i> ..        | Dan. W. S. Urquhart |
| <i>2nd Yr.</i> .....     | E. Fidler       | <i>Wycliffe.</i> ..... | R. M. Millman       |

### The Gymnasium.

The Gymnasium, including gymnasium proper, locker rooms and baths, is open daily from 8.30 a.m. to 6 p.m. to all Members.

The following is the time-table for class work, including military drill:—



|                                    |  |
|------------------------------------|--|
| <i>Gymnasium Class</i> .....       | 4 to 6.15 p.m., Monday, Wednesday, Friday. |
| <i>Fencing Class</i> .....         | 4 to 6.15 p.m., Tuesday, Thursday.         |
| <i>General Work</i> .....          | Saturday (all day).                        |
| <i>Ladies' Fencing Class</i> ..... | 11 to 12, Monday.                          |
| <i>Ladies' Fencing Class</i> ..... | 10 to 12, Tuesday.                         |
| <i>Ladies' Fencing Class</i> ..... | 3 to 4, Thursday.                          |
| <i>Ladies' Fencing Class</i> ..... | 11 to 1, Saturday.                         |

Work in the Gymnasium will begin promptly the first week in October. During the Fall Term a course of instruction will also be given in rifle drill, bayonet, quarter-staff, dumb-bells and club-swinging, and instruction in boxing and wrestling may be obtained. During the hours that Class work is going on all members other than those in the Class will be excluded from the floor. All members wishing information as to further regulations are requested to apply to the Instructor, Sergeant Williams, or to some of the members or the Executive.

## Track Club.

### OFFICERS.

|                            |                      |                               |              |
|----------------------------|----------------------|-------------------------------|--------------|
| <i>Hon. Pres</i> ....      | H. J. Crawford, B.A. | <i>Rep. S.P.S.</i> .....      | J. M. Wilson |
| <i>Hon. Vice-Pres</i> .... | Dr. Geo. Porter      | <i>Rep. Dentals</i> .....     | A. P. Brown  |
| <i>Pres</i> .....          | Dr. W. E. Willmott   | <i>Rep. Dentals</i> .....     | Mr. Dawson   |
| <i>1st Vice-Pres</i> ....  | Dr. Ralph Hooper     | <i>Rep. Know</i> .....        | W. Nicholl   |
| <i>2nd Vice-Pres</i> ....  | T. W. Graham         | <i>Rep. Know</i> .....        | Mr. McKay    |
| <i>3rd Vice-Pres</i> ....  | W. G. Wood           | <i>Rep. Wycliffe</i> .....    | Mr. Howell   |
| <i>Sec.-Treas</i> .....    | E. M. Henderson      | <i>Rep. Wycliffe</i> .....    | Mr. Hopkins  |
| <i>Rep. '04</i> .....      | H. Moore             | <i>Rep. Trinity Med</i> ..... | Mr. Dobbie   |
| <i>Rep. '05</i> .....      | E. H. Gurney         | <i>Rep. Trinity Med</i> ..... | Mr. Bray     |
| <i>Rep. '06</i> .....      | A. P. Davidson       | <i>Rep. St. Mich</i> .....    | Mr. Dooley   |
| <i>Rep. Med</i> .....      | W. S. Ford           | <i>Rep. St. Mich</i> .....    | Mr. Carey    |
| <i>Rep. Med</i> .....      | L. McLure            | <i>Rep. O.A.C., Guelph</i>    | M. Cummings  |
| <i>Rep. S.P.S.</i> .....   | J. A. Gray           |                               |              |

## Golf Club.

### OFFICERS.

|                         |                  |                        |               |
|-------------------------|------------------|------------------------|---------------|
| <i>Hon. Pres</i> .....  | President London | <i>Committee</i> ..... | Mr. Milner    |
| <i>Captain</i> .....    | Prof. Wrong      | "                      | Mr. Keys      |
| <i>Sec.-Treas</i> ..... | Prof. Alexander  | "                      | Mr. Gillespie |
| <i>Committee</i> .....  | Prof. Hutton     | "                      | Mr. Darling   |
| "                       | D. Needler       |                        |               |

## Cricket Club.

### OFFICERS.

|                        |                    |                         |                 |
|------------------------|--------------------|-------------------------|-----------------|
| <i>Hon. Pres</i> ....  | Rev. Dean Plumpton | <i>Sec.-Treas</i> ..... | H. D. Gooderham |
| <i>Pres</i> .....      | N. K. McLeod       | <i>Committee</i> .....  | R. C. Reade     |
| <i>Vice-Pres</i> ..... | W. W. Wright       | "                       | H. L. Hoyles    |
| <i>Captain</i> .....   | A. C. Heighington  | "                       | H. E. Beatty    |
| <i>Curator</i> .....   | G. A. Davidson     | "                       | G. B. Reynolds  |
| <i>Curator</i> .....   | S. C. Snively      | "                       | A. C. Snively   |

## Rugby Football Club.

### OFFICERS.

|  |  |
|--|--|
| <i>Hon. Pres.</i> .....Prof. McCurdy       | <i>3rd &amp; 4th Yr. Med. Rep.</i>       |
| <i>Hon. Vice-Pres.</i> Rev.A.F. Barr, B.A. | Bruce Burwell                            |
| <i>Pres.</i> .....S. P. Biggs              | <i>1st &amp; 2nd Yr. Med. Rep.</i>       |
| <i>Vice-Pres.</i> .....F. W Baldwin        | R. A. Williams                           |
| <i>4th Yr. Arts Rep.</i> ..G. W. Ballard   | <i>S. P. S. Rep.</i> .....R. Bryce       |
| <i>3rd Yr. Arts Rep.</i> .....E. Boyd      | <i>Know Rep.</i> .....D. W. S. Urquhart  |
| <i>2nd Yr. Arts Rep.</i> ..Alex. Davidson  | <i>Victoria Rep.</i> .....R. Pearson     |
|  | <i>St. Michael's Rep.</i> .....J. Dooley |
|  | <i>Dental Rep.</i> .....J. Lappen        |

## Baseball Club.

### OFFICERS.

|   |                                      |
|---|--------------------------------------|
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| <i>Pres.</i> .....G. M. Biggs             | <i>1st Yr. Rep.</i> .....T. Loudon   |
| <i>Vice-Pres.</i> .....A. Ross            | <i>Victoria</i> .....J. Gain         |
| <i>Mgr.</i> .....D. M. Sutherland         | <i>Pharmacy</i> .....R. Brown        |
| <i>Captain</i> .....R. Williams           | <i>Dentals</i> .....J. Brown         |
| <i>Sec.-Treas.</i> .....D. P. Kappele     | <i>S. P. S.</i> .....J. McMillan     |
| <i>4th Yr. Rep.</i> .....R. E. DeLury     | <i>Senior Meds.</i> .....T. D. Bucke |
| <i>3rd Yr. Rep.</i> .....A. McAllister    | <i>Junior Meds.</i> .....R. McFadyen |

## Lacrosse Club.

### OFFICERS.

|  |   |
|--|---|
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| <i>Hon. Vice-Pres.</i> ....Prof. McCurdy     | " <i>Meds., Senior</i> .....N. Kyle       |
| <i>Pres.</i> .....R. H. Greig                | " " <i>Junior</i> , H. B. Coleman         |
| <i>1st Vice-Pres.</i> .....H. Dorenzie       | " <i>S.P.S., Senior</i> .....R. Bryce     |
| <i>2nd Vice-Pres.</i> .....E. M. Gladney     | " " <i>Junior</i> ....W. Evans            |
| <i>Mgr. &amp; Sec.</i> .....W. W. Livingston | " <i>Dents.</i> .....C. H. Hartley        |
| <i>Coun. Arts, 4th Yr.</i> .....W. Dixon     | " <i>Pharmacy.</i> .....G. Challies       |
| " " <i>3rd Yr.</i> ...P. Montague            | <i>Captain (to be elected in spring.)</i> |

## Hockey Club.

### OFFICERS.

|   |                                     |
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| C.E.                                      | <i>Sec.-Treas.</i> .....S. A. Trees |
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| <i>Pres.</i> .....A. J. Isbester          | <i>Captain.</i> .....F. H. Broder   |

## Lawn Tennis Club.

### OFFICERS.

|  |                                     |
|--|-------------------------------------|
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| <i>Pres.</i> .....W. H. Carveth          | <i>Coun.</i> .....G. B. Reynolds    |
| <i>Vice-Pres.</i> .....H. W. O'Flynn     | <i>Coun.</i> .....J. H. Chown       |
|  | <i>Coun.</i> .....H. C. Soothran    |

**Fencing Club.****OFFICERS.**

|  |  |
|--|--|
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| <i>Pres.</i> .....W. C. Greig            | <i>Curator</i> .....F. C. Overend        |
| <i>Vice-Pres.</i> .....D. W. S. Urquhart | <i>Maitre d'Armes</i> ...Sergt. Williams |

**Chess Club.****OFFICERS.**

|                                     |   |
|-------------------------------------|---|
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| <i>Pres.</i> .....W. M. Treadgold   | <i>Curator</i> .....C. H. Fowler          |
| <i>Vice-Pres.</i> .....L. K. File   | <i>S. P. S. Rep.</i> .....J. H. Alexander |

## University College.

## BENEFACTIONS AND DONATIONS.

## Residence Extension Fund.

|                                    |          |                        |          |
|------------------------------------|----------|------------------------|----------|
| Dr. A. H. Barbour, Edinburgh ..... | \$484 44 | Sir Daniel Wilson..... | \$200 00 |
|------------------------------------|----------|------------------------|----------|

## Women's Residence Fund.

In 1893 an association of ladies was formed, with the object of obtaining funds for the erection of a Residence for women students in connection with University College. A beginning has been made in the work of securing subscriptions. The following is the list of subscribers to this fund up to the 31st of December, 1902:—

|                          |           |                           |        |
|--------------------------|-----------|---------------------------|--------|
| *Dr. W. L. T. Addison..  | \$ 100 00 | *Mr. James Crane.....     | 5 00   |
| *Mrs. W. H. B. Aikins..  | 5 00      | *Miss E. Creighton.....   | 2 00   |
| Mr. D. W. Alexander....  | 25 00     | *Miss E. M. Curzon...     | 2 00   |
| *Mr. Baird .....         | 5 00      | Prof. W. Dale.....        | 100 00 |
| Prof. Alfred Baker....   | 100 00    | *Miss L. Darling.....     | 2 00   |
| Miss Anna W. Ballard..   | 5 00      | Mr. A. T. Delury.....     | 50 00  |
| **Miss Eliza M. Balmer   |           | *Miss A. Dickey.....      | 2 00   |
| (\$25 paid) .....        | 50 00     | Miss Gertrude Eastwood.   | 25 00  |
| *Miss Jean Balmer (per   |           | *Mr. J. W. Flavelle....   | 50 00  |
| Mrs. Balmer) .....       | 25 00     | *Miss E. C. Fleming...    | 25 00  |
| Mr. Robert Balmer.....   | 50 00     | *Prof. Fletcher .....     | 25 00  |
| *Dr. and Mrs. Barbour    |           | *Prof. W. H. Fraser....   | 100 00 |
| (Edinburgh) .....        | 485 55    | Messrs. Freer and Patter- |        |
| *Mr. Alfred Benjamin.    | 10 00     | son .....                 | 100 00 |
| *Miss C. C. Benson.....  | 10 00     | *A Friend .....           | 5 00   |
| *Hon. Edward Blake....   | 500 00    | *Miss Helen J. Gervais.   | 1 00   |
| *Mrs. Edward Blake....   | 500 00    | Miss Greenshields .....   | 100 00 |
| Hon. S. H. Blake.....    | 600 00    | *A Graduate .....         | 2 00   |
| **Mrs. Alfred Briggs     |           | *A Graduate .....         | 2 00   |
| (\$2.00 paid) .....      | 10 00     | *A Graduate .....         | 50     |
| *Mrs. Geo. Brown (Edin-  |           | *Greek Play, '01.....     | 540 25 |
| burgh) .....             | 48 50     | *Mr. W. B. Hamilton..     | 100 00 |
| *Miss E. Bunnell.....    | 2 00      | *Mrs. W. B. Hamilton..    | 100 00 |
| *Mrs. A. F. Campbell...  | 1 00      | Miss Julia Hillock....    | 25 00  |
| *Mr. A. H. Campbell....  | 25 00     | Prof. J. G. Hume.....     | 100 00 |
| *Through Miss Carter,    |           | Principal Hutton .....    | 25 00  |
| Elora .....              | 36 00     | Dr. E. C. Jeffrey.....    | 25 00  |
| The Misses Carty.....    | 50 00     | *Mrs. E. C. Jeffrey....   | 2 00   |
| *Mr. Wm. Christie.....   | 500 00    | Miss Laura L. Jones....   | 40 00  |
| *Miss N. Cleary.....     | 2 00      | *Mrs. Edward Jones....    | 8 00   |
| *Miss E. N. Cluff.....   | 2 00      | Miss Gertrude Lawler..    | 50 00  |
| *College of Music (Anti- |           | **President Loudon (\$50  |        |
| gone '02) .....          | 113 25    | paid) .....               | 150 00 |
| *Mr. James Coyne.....    | 25 00     | *Mrs. Loudon .....        | 50 00  |

|                           |        |                            |          |
|---------------------------|--------|----------------------------|----------|
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| *Mrs. MacGillvray .....   | 5 00   | *Hiram Walker & Sons..     | 1,000 00 |
| Miss Mary Ard Mac-        |        | *The Robert Watson Co.     | 100 00   |
| Kenzie .....              | 20 00  | *Miss Wilson (Edin-        |          |
| *Mrs. MacLennan .....     | 10 00  | burgh) .....               | 25 00    |
| The Misses MacMurchy..    | 25 00  | Senator A. T. Wood....     | 250 00   |
| Prof. James Mavor.....    | 100 00 | **Prof. R. Ramsay          |          |
| *Mr. W. J. Mitchell....   | 5 00   | Wright (\$50 paid)....     | 100 00   |
| Moss, Hoyles and Ayles-   |        | Prof. G. M. Wrong.....     | 50 00    |
| worth .....               | 50 00  | *Women Students (Class     |          |
| *Miss Mowat .....         | 25 00  | '95) .....                 | 16 00    |
| Sheriff Mowat .....       | 25 00  | *Women's Glee Club         |          |
| Dr. G. H. Needler .....   | 25 00  | Concert (1899) .....       | 19 00    |
| *Dr. Osler (Baltimore)... | 25 00  | *Ladies' Association, Ot-  |          |
| *Mrs. E. B. Osler.....    | 50 00  | tawa .....                 | 60 00    |
| *Mr. John Penman          |        | *Ladies' Association, Ot-  |          |
| (Paris, Ont.) .....       | 50 00  | tawa (additional) ...      | 25 85    |
| *Mrs. R. A. Reeve.....    | 40 00  | *Ladies' Association, To-  |          |
| *Mrs. J. Ross Robertson.  | 25 00  | ronto (proceeds of con-    |          |
| *Miss Charlotte Ross....  | 25 00  | cert) .....                | 70 00    |
| Rowell & Hutcheson....    | 200 00 | *Saturday Lectures         |          |
| *Miss Claribel Smith....  | 2 00   | (1899) .....               | 373 00   |
| *Miss Nellie Spence....   | 25 00  | *Saturday Lectures         |          |
| Prof. John Squair.....    | 100 00 | (1900) .....               | 346 75   |
| *Prof. Morse Stephens     |        | *Women's Glee Club         |          |
| (proceeds of lecture)...  | 113 00 | Concert (1900) .....       | 15 35    |
| *Mrs. Sweeney .....       | 20 00  | Collections from subscrip- |          |
| Mrs. Fred Sykes.....      | 50 00  | tion books .....           | 16 60    |
| Miss Emily Thompson...    | 25 00  |                            |          |
| *Miss Veals .....         | 10 00  |                            |          |

The Treasurer of the fund is Mrs. Torrington, 12 Pembroke street, to whom subscriptions may be sent.

\*Signifies paid in full.

\*\*Signifies paid in part.

## STUDENT SOCIETIES.

### Young Men's Christian Association.

The Y.M.C.A. of University College was organized in 1873, and incorporated in 1892. The Association had no permanent quarters until the erection of the present building in 1886.

The Canadian Colleges' Mission in connection with the Y.M.C.A. seeks to interest the Students of the University in the different phases of Foreign Mission work, and will, this year, contribute to the support of the work among the students of the University of Calcutta. The C.C.M. includes now nearly all the institutions of higher learning in Canada, and issues a monthly paper devoted to the discussion of missionary topics.



The officers are: President, Prof. Hume; Treasurer, Dr. W. Harley Smith; Secretary, J. L. McPherson, B.A.; Editor, A. H. Abbott, B.A.

Following are the officers-elect for the Y.M.C.A. for 1903-1904:—

|  |  |
|--|--|
| <i>Pres.</i> .....D. C. McGregor, '04      | <i>Asst.-Treas.</i> W. H. Henderson, '06 |
| <i>1st Vice-Pres.</i> E. A. McIntyre, '04  | <i>Rec. Sec.</i> .....W. E. Chapple, '06 |
| <i>2nd Vice-Pres.</i> W. R. Carson, S.P.S. | <i>Gen. Sec.</i> .....T. W. Graham       |
| <i>Treas.</i> .....D. A. MacKay, '05       |  |

*Conveners of Committees:* *Membership*, G. Miller; *Devotional*, J. A. Sharrard; *Rooms*, R. Baird; *City Missions*, A. C. Cameron; *Bible Study*, F. C. Overend; *Fall Campaign*, A. G. Portch; *Finance*, D. A. McKay; *Music*, V. O. Woodland; *Missionary*, W. H. Mactaggart.

## Young Women's Christian Association.

### OFFICERS.

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| <i>Hon. Pres.</i> .....Mrs. Johnston | <i>Tres.</i> .....Miss Johnston   |
| <i>Pres.</i> .....Miss Lough         | <i>Rec. Sec.</i> .....Miss Wilkie |
| <i>Vice-Pres.</i> .....Miss Latter   | <i>Cor. Sec.</i> .....Miss Duncan |

*Conveners of Committees:* *Membership*, Miss Brown; *Missionary*, Miss Glass; *Music*, Miss Fletcher; *Lunch Room*, Miss Weir; *Secretary of Bible Class*, Miss Pringle; *Leader of Missionary Study Class*, Miss McCutcheon.

## Literary and Scientific Society.

### OFFICERS.

|   |   |
|---|---|
| <i>Pres.</i> .....A. T. Hunter, LL.B.     | <i>Sec. of Com.</i> .....J. W. Balten     |
| <i>1st Vice-Pres.</i> .....J. A. Sharrard | <i>Hist. Sec.</i> .....J. B. Paulin       |
| <i>2nd Vice-Pres.</i> .....J. D. Munroe   | <i>4th Yr. Coun.</i> .....L. Gilchrist    |
| <i>3rd Vice-Pres.</i> .....— Marshall     | <i>3rd Yr. Coun.</i> .....J. S. DeLury    |
| <i>Rec. Sec.</i> .....A. B. McAllister    | <i>2nd Yr. Coun.</i> .....R. B. McElheran |
| <i>Critic.</i> .....W. N. Harrison        | <i>2nd Yr. Coun.</i> .....G. W. Hofferd   |
| <i>Curator</i> .....F. C. Overend         | <i>1st Yr. Coun.</i> .....                |
| <i>Cor. Sec.</i> .....J. J. McCarthy      | <i>1st Yr. Coun.</i> .....                |
| <i>Treas.</i> .....— McDonald             |   |

## Women's Literary Society.

### OFFICERS.

|  |  |
|--|--|
| <i>Hon. Pres.</i> ..Miss A. W. Patterson<br>B.A. | <i>Cor. Sec.</i> .....Miss L. Carpenter  |
| <i>Pres.</i> .....Miss F. E. Brown               | <i>4th Yr. Rep.</i> .....Miss G. Pringle |
| <i>Vice-Pres.</i> .....Miss J. Fraser            | <i>3rd yr. Rep.</i> .....Miss M. Filshie |
| <i>Rec.-Sec.</i> .....Miss A. McClive            | <i>2nd Yr. Rep.</i> .....Miss M. Davis   |
| <i>Treas.</i> .....Miss H. Latter                | <i>1st Yr. Rep.</i> .....Miss Adie       |
|  | <i>Curator</i> .....Miss Lee Edward      |

## Class Societies.

## OFFICERS.

## 1903.

|                             |                  |                           |                     |
|-----------------------------|------------------|---------------------------|---------------------|
| <i>Pres.</i> .....          | A. G. Brown      | <i>Poetess.</i> .....     | Miss E. M. K. Glass |
| <i>1st Vice-Pres.</i> ..... | Miss J. Dickson  | <i>Orator.</i> .....      | G. A. Robertson     |
| <i>2nd Vice-Pres.</i> ..... | J. G. Lorrinan   | <i>Judge.</i> .....       | E. R. Read          |
| <i>Sec.</i> .....           | C. J. Allan      | <i>Historians.</i> .....  | Miss M. Wilson      |
| <i>Treas.</i> .....         | I. N. Loeser     | “.....                    | T. W. Graham        |
| <i>Mus. Dir.</i> .....      | C. E. Clarke     | <i>Councillors.</i> ..... | Miss E. G. Rae      |
| <i>Athl. Dir.</i> .....     | W. M. Wilkie     | “.....                    | Miss T. Fortner     |
| <i>Critic.</i> .....        | Miss M. McDonald | “.....                    | H. T. Hunter        |
| <i>Prophet.</i> .....       | A. Cohen         | “.....                    | H. L. Kerr          |

## 1904.

|                             |                  |                           |                |
|-----------------------------|------------------|---------------------------|----------------|
| <i>Pres.</i> .....          | G. W. M. Ballard | <i>Critic.</i> .....      | Miss Menten    |
| <i>1st Vice-Pres.</i> ..... | Miss A. Rankin   | <i>Orator.</i> .....      | H. E. Collins  |
| <i>2nd Vice-Pres.</i> ..... | W. H. Tackabery  | <i>Judge.</i> .....       | J. G. Workman  |
| <i>Sec.</i> .....           | A. Foulds        | <i>Poetess.</i> .....     | Miss M. Wilkie |
| <i>Treas.</i> .....         | E. C. Dickson    | <i>Prophet.</i> .....     | W. A. Wallis   |
| <i>Athl. Dir.</i> .....     | F. C. Overend    | <i>Councillors.</i> ..... | Miss D. Neff   |
| <i>Mus. Dir.</i> .....      | Miss J. Neilson  | “.....                    | Miss M. McGill |
| <i>Historians.</i> .....    | Miss E. Gibson   | “.....                    | S. E. Moore    |
| “.....                      | W. H. Andrews    | “.....                    | E. A. McIntyre |

## 1905.

|                             |                     |                           |                       |
|-----------------------------|---------------------|---------------------------|-----------------------|
| <i>Pres.</i> .....          | J. C. Miller        | <i>Poetess.</i> .....     | Miss F. C. Elliott    |
| <i>1st Vice-Pres.</i> ..... | Miss B. G. Sellery  | <i>Orator.</i> .....      | J. D. Munro           |
| <i>2nd Vice-Pres.</i> ..... | A. C. Cameron       | <i>Judge.</i> .....       | W. A. Beal            |
| <i>Sec.</i> .....           | A. G. Portch        | <i>Historians.</i> .....  | Miss G. M. Carruthers |
| <i>Treas.</i> .....         | W. P. Barclay       | “.....                    | G. P. Hamilton        |
| <i>Mus. Dir.</i> .....      | Miss I. C. Love     | <i>Councillors.</i> ..... | Miss A. G. Arms       |
| <i>Athl. Dir.</i> .....     | R. E. Hore          | “.....                    | Miss L. M. Carpenter  |
| <i>Critic.</i> .....        | J. G. McGoeey       | “.....                    | R. B. Stewart         |
| <i>Prophetess.</i> .....    | Miss M. G. Colborne | “.....                    | H. P. Cooke           |

## 1906.

|                             |                     |                           |                     |
|-----------------------------|---------------------|---------------------------|---------------------|
| <i>Pres.</i> .....          | T. H. Stinson       | <i>Orator.</i> .....      | W. D. Cruickshank   |
| <i>1st Vice-Pres.</i> ..... | Miss K. M. McDonald | <i>Prophetess.</i> .....  | Miss E. L. Ballard  |
| <i>2nd Vice-Pres.</i> ..... | J. C. Paulin        | <i>Poet.</i> .....        | C. Lazenby          |
| <i>Sec.</i> .....           | R. M. Mitchell      | <i>Historians.</i> .....  | Miss F. C. Gurofsky |
| <i>Treas.</i> .....         | R. B. Francis       | “.....                    | J. R. Sanderson     |
| <i>Mus. Dir.</i> .....      | Miss M. O'Sullivan  | <i>Councillors.</i> ..... | Miss F. M. McTavish |
| <i>Athl. Dir.</i> .....     | M. Warren           | “.....                    | Miss E. M. Leacock  |
| <i>Judge.</i> .....         | H. D. Scully        | “.....                    | A. R. Dafeo         |
| <i>Critic.</i> .....        | Miss C. B. Hunter   | “.....                    | D. Monk             |

## Classical Association.

## OFFICERS.

|                            |                    |                           |                  |
|----------------------------|--------------------|---------------------------|------------------|
| <i>Hon. Pres.</i> ....     | W. S. Milner, M.A. | <i>Treas.</i> .....       | R. C. Reade      |
| <i>Pres.</i> .....         | A. G. Brown        | <i>4th Yr. Coun.</i> .... | Miss G. Pringle  |
| <i>1st Vice-Pres.</i> .... | Miss M. E. Tate    | <i>2nd Yr. Coun.</i> .... | Miss M. E. Scott |
| <i>Sec.</i> .....          | W. H. Tackaberry   | <i>1st Yr. Coun.</i> .... | Miss Breckon     |

## Modern Language Club.

### OFFICERS.

|  |   |
|--|---|
| <i>Hon. Pres.</i> ..M. St. Elme de Champ     | <i>Cor. Sec.</i> ....M. J. McGarvin, '04    |
| B. ès L.                                     | <i>Rec. Sec.</i> ....W. D. McDonald, '04    |
| <i>Pres.</i> .....H. E. Collins, '04         | <i>Treas.</i> .....A. C. Holmes, '05        |
| <i>1st Vice-Pres.</i> ..D. A. Gilchrist, '04 | <i>Asst. Treas.</i> Miss F.B.Ketcheson, '05 |
| <i>2nd Vice-Pres.</i> ..Miss D. M. Cramp-    | <i>2nd Yr. Rep.</i> ..Miss J. C. Laing, '06 |
| ton, '04                                     |   |

Two representatives from the First year to be elected in October.

## Oriental Association.

### OFFICERS.

|   |  |
|---|--|
| <i>Hon. Pres.</i> Prof. J. F. McLaughlin, | <i>Sec. Treas.</i> .....D. H. Marshall |
| M.A., B.D.                                | <i>4th Yr. Coun.</i> .....T. J. Meek   |
| <i>Hon. Vice-Pres.</i> ..Mr. R. G. Muri-  | <i>3rd Yr. Coun.</i> .....W. R. Taylor |
| son, M.A., B.D., Ph.D.                    | <i>2nd Yr. Coun.</i> .....J. W. Currie |
| <i>Pres.</i> .....R. G. McKay             | <i>1st Yr. Coun.</i> .....A. J. Connor |
| <i>Vice-Pres.</i> .....A. Thomson         |  |

## Women's Athletic Club.

### OFFICERS.

|  |  |
|--|--|
| <i>Hon. Pres.</i> ..Miss L. Wright, B.A. | Curators of Clubs—                     |
| <i>Pres.</i> .....Miss Weir, '03         | <i>Tennis</i> ....Miss M. E. Tate, '04 |
| <i>Sec. Treas.</i> ...Miss K. M. Duncan, | <i>Fencing</i> ....Miss M. Wilson, '03 |
| '04                                      | <i>Hockey</i> .....Miss C. McMurtry    |

N.B.—The Tennis, Fencing and Hockey Clubs have no separate organization, having amalgamated with this Club.

## Association Football Club.

### OFFICERS.

|                                     |   |
|-------------------------------------|---|
| <i>Hon. Pres.</i> .....Dr. Johnston | <i>4th Yr. Rep.</i> .....J. G. Workman  |
| <i>Pres.</i> .....E. T. Hayes       | <i>3rd Yr. Rep.</i> .....J. S. DeLury   |
| <i>Vice-Pres.</i> .....C. A. French | <i>2nd Yr. Rep.</i> .....P. L. Fraser   |
| <i>Sec.</i> .....S. E. Moore        | <i>Captain.</i> .....L. Gilchrist       |
| <i>Treas.</i> .....J. S. Jamieson   | <i>Mgr. I. Team</i> .....R. Baird       |
|                                     | <i>Mgr. II. Team</i> ....D. A. Matheson |

### EXECUTIVE OF INTER-COLLEGE LEAGUE.

|  |                                     |
|--|-------------------------------------|
| <i>Hon. Pres.</i> .....Dr. L. E. Horning | <i>Vice-Pres.</i> .....R. Pearson   |
| <i>Pres.</i> .....B. B. Patten           | <i>Sec. Treas.</i> .....E. T. Hayes |

## VICTORIA UNIVERSITY SOCIETIES.

### Alumni Association.

OFFICERS, 1902-03.

*President* . . . . . A. R. Bain, LL.D.    *2nd V-Pres.* . . . A. P. Coleman, Ph.D.  
*1st V-Pres.* . . . Rev. W. R. Parker, D.D.    *Secy.-Treas.* . . . C. C. James, M.A.

The Annual Meeting will be held in October in connection with the Charter Day celebration.

Graduates are requested to notify the Secretary of any change of address.

Additions to the library are urgently requested. Any graduates willing to contribute books, pamphlets or money for this purpose will please address the Secretary.

### Alumnæ Association.

FOUNDED 1895.

OFFICERS, 1902-03.

*President* . . . . . Mrs. Parker    *Rec. Secy.* . . . . Miss M. E. Powell  
*Vice-Pres.* . . . Miss. N. Burkholder    *Cor. Secy.* . . . Miss C. M. Woodsworth  
*Treasurer* . . . . Miss M. E. Powell

The Annual Meeting will be held at Easter.

Graduates are requested to notify the Corresponding Secretary of any change of address.

### Union Literary Society.

THE "LITERARY," ESTABLISHED 1857.

THE "JACKSON," ESTABLISHED 1873.

REORGANIZED 1893.

*Object: Cultivation of Literature, Science and Oratory.*

OFFICERS, 1902-03.

| Office.  | Spring Term.      | Fall Term.        |
|--|-------------------|-------------------|
| <i>Honorary President</i> . . . . .            | Justice Maclaren  | Prof. Reynar.     |
| <i>President</i> . . . . .                     | D. P. Rees        | E. W. Wallace.    |
| <i>First Vice-President</i> . . . . .          | E. C. Irvine      | A. R. Ford.       |
| <i>Second Vice-President</i> . . . . .         | R. Pearson        | S. W. Eakins.     |
| <i>Critic</i> . . . . .                        | N. E. Bowles      | R. G. Dingman.    |
| <i>Assistant Critic</i> . . . . .              | W. P. Near        | V. W. Odum.       |
| <i>Leader of Government</i> . . . . .          | F. A. E. Hamilton | G. H. Gray.       |
| <i>Leader of Opposition</i> . . . . .          | R. A. Whattam     | W. H. Spence.     |
| <i>Corresponding Secretary</i> . . . . .       | A. Elliott        | F. A. E. Hamilton |
| <i>Recording Secretary</i> . . . . .           | C. M. Wright      | J. A. M. Dawson.  |
| <i>Assistant Recording Secretary</i> . . . . . | C. D. Henderson   | P. B. McFarlane.  |
| <i>Treasurer</i> . . . . .                     | T. E. Wilson      | I. H. Wallace.    |
| <i>Curator</i> . . . . .                       | G. E. Trueman     | G. G. Harris.     |
| <i>Pianist</i> . . . . .                       | E. L. Luck        | W. G. Wright.     |
| <i>Assistant Pianist</i> . . . . .             | R. J. Manning     | E. L. Luck.       |

Regular meetings of the Society are held in Alumni Hall each Saturday evening during term.

A valuable library, to which constant additions are being made, is placed with the General College Library, to which all students have access.

A prize is given for the best oration, at an open contest during the first term, on a subject chosen by the Society. Subjects for 1903: (1) "The Place of the University in the National Life of Canada"; (2) "Britain in Egypt"; (3) "Our College and Missions."

A prize is also given for the best essay. Conditions will be announced in *Acta*, October, 1902.

All students in attendance at Victoria University are eligible for membership.

### Missionary Society.

*Object: To promote an active interest among the Students in Home and Foreign Missions, and to assist, as far as possible, in all Christian Missionary Work.*

#### OFFICERS, 1902-03.

|   |   |
|---|---|
| <i>Hon. Pres.</i> Prof. J. F. McLaughlin,<br>M.A., B.D. | <i>Secretary</i> .....C. F. Logan                     |
| <i>President</i> .....R. C. Armstrong                   | <i>Treasurer</i> .....D. H. Marshall.                 |
| <i>Vice-Pres</i> .....Miss E. Campbell                  | <i>Perm. Treas.</i> Prof F. H. Wallace,<br>M.A., D.D. |

#### BOARD OF MANAGEMENT.

Officers and the presidents of the Y.M.C.A. and Y.W.C.A. are *ex-officio* members.

Chairman Missionary Campaigners' Committee, C. W. Bishop; Vice-Chairman, Miss F. M. Eby.

Chairman Missionary Study Class, J. N. Clarry; Vice-Chairman, Miss B. Lingham.

Chairman Student Volunteer Band, D. R. Clare; Vice-Chairman, F. E. Watts.

Chairman City Mission Work Committee, T. A. Bagshaw; Vice-Chairman, Miss L. E. V. Lloyd.

Monthly meetings of the Society are held on the last Wednesday of each month from 5 to 6 o'clock, at which various phases of the missionary problem are discussed.

The Mission Study Class meets weekly for the study of interesting missionary literature.

The Society purposes directing its funds this year to the support of a printing press in China.

### Y. M. C. A.

ORGANIZED 1889.

*Object: To promote Growth in Grace and Christian Fellowship among its Members, and aggressive Christian Work, especially by and for Students.*

#### OFFICERS, 1902-03.

|  |                                     |
|--|-------------------------------------|
| <i>Hon. President</i> .....Dr. Reynar. | <i>Secretary</i> .....C. W. Bishop. |
| <i>President</i> .....N. E. Bowles.    | <i>Treasurer</i> .....A. B. Ford.   |
| <i>Vice-Pres</i> .....R. Hughes        |                                     |



## MEETINGS.

Committees—Executive, Devotional, Membership, Bible Study and Lookout.

Wednesday evening 5 to 6 o'clock: Regular Prayer-meeting.

Sabbath morning, 9.30 to 10.30: Fellowship meeting.

Classes are arranged at the beginning of each year for the purpose of Bible study and talking over personal work.

The Secretary will furnish information concerning student life.

## Women's Literary Society.

ORGANIZED 1893.

*Object: Literary Improvement and Social Intercourse.*

## OFFICERS, 1902-03.

|  |  |
|--|--|
| <i>Hon. Pres.</i> .....Mrs. N. Burwash.    | <i>Cor. Secy.</i> .....Miss H. Grange      |
| <i>President</i> .....Miss E. E. Dingwall  | <i>Treasurer</i> .....Miss K. Cullen.      |
| <i>Vice-Pres.</i> .....Miss R. M. Jolliffe | <i>Critic</i> .....Miss A. A. Will         |
| <i>Rec. Secy.</i> .....Miss G. Peterson    | <i>Ass. Critic</i> ..Miss M. A. L. Jeffery |

A valuable prize, the gift of the late Mrs. Martha Bell, is offered for the best oration, at a contest held during the term. Subjects for 1903 are: (1) "Compensation"; (2) "Tennyson's Woman"; (3) "The Natural Beauty of Canada."

## Y. W. C. A.

ORGANIZED 1895.

*Object: Christian Culture and Work.*

## OFFICERS, 1902-03.

|   |  |
|---|--|
| <i>Hon. Pres.</i> ....Mrs. F. H. Wallace  | <i>Secretary</i> .....Miss B. Lingham. |
| <i>President</i> .....Miss E. Campbell.   | <i>Treasurer</i> .....Miss E. Wallace. |
| <i>Vice-Pres.</i> ....Miss A. L. O. Fife. | <i>Pianist</i> .....Miss K. Rice.      |

## Acta Victoriana.

*A Monthly Journal published during the College Year by the Union Literary Society in the interests of Victoria University, her Students, Alumni and Friends.*

## BOARD OF MANAGEMENT AND EDITORIAL STAFF, 1902-03.

|   |   |
|---|---|
| <i>Chairman</i> ....R. G. Dingman, '03.     | <i>Missionary and Religious</i> .....   |
| <i>Secretary</i> .....E. A. Elliott, '05.   | C. W. Bishop, '04.                      |
| <i>Bus. Manager</i> ..D. A. Walker, '03.    | <i>Personals and Exchanges</i> .....    |
| <i>Ass. Bus. Mn'gr</i> .....R. Hughes.      | W. G. Cates, '04.                       |
| <i>Editor-in-Chief</i> .R. G. Dingman, '03. | <i>Locals</i> .....                     |
| <i>Literary Editors</i> .....               | Miss J. C. Potter, '04.                 |
| Miss L. P. Smith, '03.                      | W. H. Spence, '04.                      |
| E. W. Wallace, '03.                         | <i>Athletics</i> .....P. Campbell, '05. |
| <i>Scientific Editor</i> ..W. P. Near, '03. |   |

## Classical Association.

FOUNDED 1901.

*Object: The Promotion of Classical Study in its Various Aspects.*

OFFICERS, 1902-03.

|   |                                       |
|---|---------------------------------------|
| <i>Hon. Pres.</i> .....Prof. Robertson. | <i>Secretary</i> .....D. R. Gray.     |
| <i>President</i> .....T. A. Bagshaw.    | <i>Treasurer</i> .....P. C. Campbell. |

COUNCILLORS.

|                                       |  |
|---------------------------------------|--|
| <i>Fourth Year</i> .....A. R. Ford.   | <i>Second Year</i> .....Miss D. Switzer. |
| <i>Third Year</i> .....Miss E. Lloyd. | <i>First Year</i> .....To be appointed.  |

## Victoria College Glee Club.

ORGANIZED AS A SEPARATE INSTITUTION IN 1892.

*Object: The Encouragement of Vocal Talent.*

OFFICERS, 1902-03.

|   |  |
|---|--|
| <i>Hon. Pres.</i> .....Dr. Horning.       | <i>Treasurer</i> .....J. R. Davison, '04.    |
| <i>President</i> .....E. W. Wallace, '03. | <i>Instructor</i> ..T. C. Jeffers, Mus. Bac. |
| <i>Vice-Pres.</i> .....T. W. Price, B.A.  | <i>Ass. Instructor</i> ..C. W. Walker, B.A.  |
| <i>Secretary</i> .....C. W. Bishop, '04.  | <i>Business Mngr</i> ...J. N. Clary, '02.    |

## Victoria Athletic Union.

*Object: To provide Rational Amusement for the Students, and to oversee Athletics in General about the College.*

OFFICERS, 1902-03.

|   |  |
|---|--|
| <i>Hon. Pres.</i> ..L. E. Horning, Ph.D.      | <i>B.D.'s Rep.</i> ...C. W. Walker, B.A.       |
| <i>President</i> .....A. R. Ford, '03.        | <i>Spec. Rep.</i> ...R. A. W. Whattam.         |
| <i>1st Vice-Pres.</i> .....R. Pearson, '04.   | <i>Hockey Rep.</i> ...S. W. Eakins, '04.       |
| <i>2nd Vice-Pres.</i> ..H. D. Robertson, '05. | <i>Tennis Rep.</i> ..F. W. K. Harris, '04.     |
| <i>Secretary</i> ..J. A. M. Dawson, '04.      | <i>Football Rep.</i> ..F. A. E. Hamilton, '04. |
| <i>Treasurer</i> .....J. H. Wallace, '03.     | <i>Alley Rep.</i> .....P. W. Near, '03.        |
| <i>4th Year Rep.</i> ...E. C. Irvine, '03.    | <i>Rugby Rep.</i> .....A. Rankin, '04.         |
| <i>3rd Year Rep.</i> ...W. F. Green, '04.     | <i>Baseball Rep.</i> ..R. G. Dingman, '03.     |
| <i>2nd Year Rep.</i> ...P. Campbell, '05.     | <i>Lacrosse Rep.</i> ..H. W. Brownlee, '04.    |

Members of the Union have the privilege of Alley, Football, Hockey, Tennis, Baseball and general athletics. Victoria has now an excellent Campus, and there are splendid facilities for every branch of athletics. The Union also controls a Skating and Hockey Rink on the College Campus.

All students and graduates are eligible for membership. Fee, 50 cents.

## Association Football Club.

OFFICERS, 1902-03.

|  |                                       |
|--|---------------------------------------|
| <i>Hon. Pres.</i> .....Prof. Langford.   | <i>Manager</i> .....F. A. E. Hamilton |
| <i>President</i> .....N. E. Bowles, '02. | <i>Captain</i> .....R. Pearson.       |
| <i>Secy.-Treas.</i> .....W. F. Green.    |                                       |

The Club enters two teams in the Inter-Collegiate League and also conducts a series of Inter-Year matches during the Michaelmas term.

## Hockey Club.

OFFICERS, 1902-03.

|  |  |
|--|--|
| <i>Hon. Pres</i> .....Prof. McLaughlin.  | <i>Cap. First Team</i> ...S. W. Eakins.  |
| <i>President</i> .....N. E. Bowles.      | <i>Secy.-Treas</i> .....F. W. K. Harris. |
| <i>Business Mngr</i> ...H. D. Robertson. |  |

## Rugby Club.

OFFICERS, 1902-03.

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| <i>President</i> .....J. H. Wallace.  | <i>Secy.-Treas</i> .....H. D. Robertson. |
| <i>Business Mngr</i> .....G. H. Gray. |  |

## Tennis Club.

OFFICERS, 1902-03.

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| <i>President</i> ....R. G. Dingman, '03.    | <i>Asst. Secy</i> ....A. R. Dingman, '05.   |
| <i>Vice-Pres</i> .Miss E. E. Dingwall, '03. |   |

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|                        |                       |
|------------------------|-----------------------|
| J. A. M. Dawson, '04.  | Miss M. Jeffery, '04. |
| Miss A. Rockwell, '03. |                       |

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OFFICERS, 1902-03.

|  |   |
|--|---|
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| <i>President</i> .....A. R. Ford, '03.     | <i>Business Mngr</i> .H. W. Brownlee,'04. |
| <i>Secy.-Treas</i> ....I. H. Wallace, '03. |   |

## INDEX.

|                                     | PAGE               |   | PAGE                    |
|-------------------------------------|--------------------|---|-------------------------|
| Admission, ad eundem gradum         | 91                 | Board and Lodging                             | 48, 193                 |
| Admission, ad eundem statum         | 83                 | Botany  | 102                     |
| Affiliated Colleges                 | 357                | B. Pæd., Degree of                            | 345                     |
| Agriculture, Curriculum, etc.       | 291                | B. S. A., Degree of                           | 291                     |
| Agriculture, Examiners              | 26                 | Calendar                                      | 9                       |
| Anatomy                             | 236                | C. E., Degrees of                             | 278, 282                |
| Applied Science, Curriculum         | 281                | Chemistry                                     | 96, 101, 107, 149, 162  |
| Applied Science, Degree             | 59                 | Chemistry, Laboratory                         | 163                     |
| Applied Science, Diploma            | 277                | Chemistry and Mineralogy                      | 147                     |
| Applied Science, Examiners          | 26                 | Civil Engineering, Curriculum                 | 282                     |
| Applied Science, Faculty            | 24-25, 279-280     | Civil Engineering, Examiners                  | 26                      |
| Applied Science, Students,          |                    | Classics                                      | 113, etc.               |
| list of, App.                       | 18                 | Chemical Instruction                          | 239, 241                |
| Arabic                              | 137                | Commencement, University,                     |                         |
| Aramaic                             | 136                | date  | 9                       |
| Arts, Curriculum in                 | 80-154             | Commercial Course                             | 352                     |
| Arts, Degrees                       | 49                 | Constitutional History                        | 109, 112, 141, 176, 182 |
| Arts Examinations, date             | 9, 51              | Constitution, Functions                       | 36                      |
| Arts, Examiners                     | 26                 | Convocation, Functions of                     | 38                      |
| Arts, Instruction in                | 50                 | Council, University, meetings                 | 9                       |
| Arts, Instructors in                | 18-21              | Council, University College,                  |                         |
| Arts, List of Students in, App.     | 2                  | meetings                                      | 9                       |
| Arts, Regulations and Curriculum in | 61, 80             | Councils (see University, University College) |                         |
| Assyrian                            | 137                | Courses                                       | 80                      |
| Astronomy                           | 112                | Crown, Functions of the                       | 36                      |
| Athletic Association, App.          | 43                 | Curriculum, Arts                              | 80-103                  |
| Athletic Grounds                    | 46                 | Dentistry, Curriculum, etc.                   | 286                     |
| Athletics                           | 46                 | Dentistry, Examiners                          | 26                      |
| Attendance, Dispensation            | 84                 | D.D.S., Degree of                             | 286                     |
| Bachelor of Arts                    | 49, 80             | Dining Hall                                   | 47                      |
| B.A. Sc., Degree of                 | 60, 281            | Discipline                                    | 40                      |
| Benefactions, App.                  | 26, 47, etc.       | Dispensation from Attendance                  | 84                      |
| Biology                             | 102, 105, 148, 164 | Donations, App.                               | 26, 47                  |
| Biology, Laboratories               | 42                 | D. Pæd., Degree of                            | 346                     |
| Biology, Museum                     | 43                 | Economics                                     | 112                     |
| Biological and Physical Science     | 144                | E. E., Degree of                              | 60, 210, 211            |

|                                 | PAGE                   |                                 | PAGE                        |
|---------------------------------|------------------------|---------------------------------|-----------------------------|
| English.....                    | 92, 98, 103, 105, 107  | Greek..                         | 93, 97, 104, 105, 108, 110, |
| .....                           | 109, 184               | .....                           | 183                         |
| English and History.....        | 128                    | Grounds, Applications for use   |                             |
| Enrolment of Students, date..   | 9                      | of.....                         | 46                          |
| Entrance, Arts.....             | 49                     | Gymnasium.....                  | 46                          |
| Entrance, Medicine.....         | 53                     | Gymnastics and Physical Drill   | 355                         |
| Ethics.....                     | 109, 189               | Gynæcology.....                 | 246                         |
| Ethnology.....                  | 138, 167               |                                 |                             |
| Ethnology, Museum.....          | 45                     | Hebrew.....                     | 105, 106, 109, 111          |
| Examinations.....               | 51, 55                 | Historical, University, App...  | 22                          |
| Examinations, Applications ..   |                        | History.....                    | 95, 100, 105, 106,          |
| .....                           | 9, 82, 83              | .....                           | 112, 138                    |
| Examinations, Notice, date ..   | 85                     | History and Geography....       | 95, 100                     |
| Examinations, Various, date     |                        | Honour Course, Regulations ..   | 88                          |
| of.....                         | 9                      | Hospitals.....                  | 247                         |
| Examinations, Law.....          | 219                    | Household Science, Curricu-     |                             |
| Examinations, Medicine.....     | 267                    | lum.....                        | 349                         |
| Examinations, Regulations ..    | 51                     | Hygiene.....                    | 243                         |
| Examinations, Supplemental ..   | 83                     | B. H. S. Degree.....            | 243                         |
| Examiners, List of, 1903.....   | 26                     |                                 |                             |
| Faculty of Applied Science...   | 24                     | Instruction, Arts, Allotment    |                             |
| Faculty of Arts,                |                        | of Subjects.....                | 50                          |
| University of Toronto.....      | 18                     | Instruction, Arts.....          | 158                         |
| University College.....         | 20                     | Instruction, Medicine.....      |                             |
| Victoria University.....        | 21                     | Italian.....                    | 169                         |
| Faculty of Medicine.....        | 22                     |                                 |                             |
| Fees (General, Laboratory,      |                        | Junior Matriculation, Arts..... | 92                          |
| Practical Instruction, La-      |                        |                                 |                             |
| boratory Supplies, Occa-        |                        | Knox College.....               |                             |
| sional Students, Library,       |                        |                                 |                             |
| Enrolment, etc.).....           | 62-68, 84              | Laboratories.....               | 41                          |
| Fees, Law.....                  | 221                    | Laryngology.....                | 247                         |
| Fees, Medicine.....             | 257                    | Latin..                         | 92, 97, 104, 106, 108, 110, |
| Fellowships.....                | 52, 78                 | .....                           | 184                         |
| Fellowships, Applications, date | 9                      | Law, Curriculum.....            | 217                         |
| Fellowships, University ..      | 77, 78, 79             | Law, Examinations, date ..      | 9                           |
| French.....                     | 94, 99, 104, 106, 108, | Law, Examiners.....             | 26                          |
| .....                           | 111, 185               | Law (see Political Science)     |                             |
|                                 |                        | .....                           | 176, 182                    |
| General Course, Regulations..   | 85                     | Law, Prizes.....                | 223                         |
| Geology.....                    | 107, 151, 161          | Lectures, Arts, Time-table of   | 9                           |
| Geology, Laboratory.....        | 41                     | Lectures, Arts and Medicine,    |                             |
| German.....                     | 95, 100, 104, 106      | date.....                       | 9                           |
| .....                           | 108, 111, 186          | Lectures, Dispensation from ..  | 84                          |
|                                 |                        | Lectures, Public, App.....      | 39                          |



# INDEX.

iii

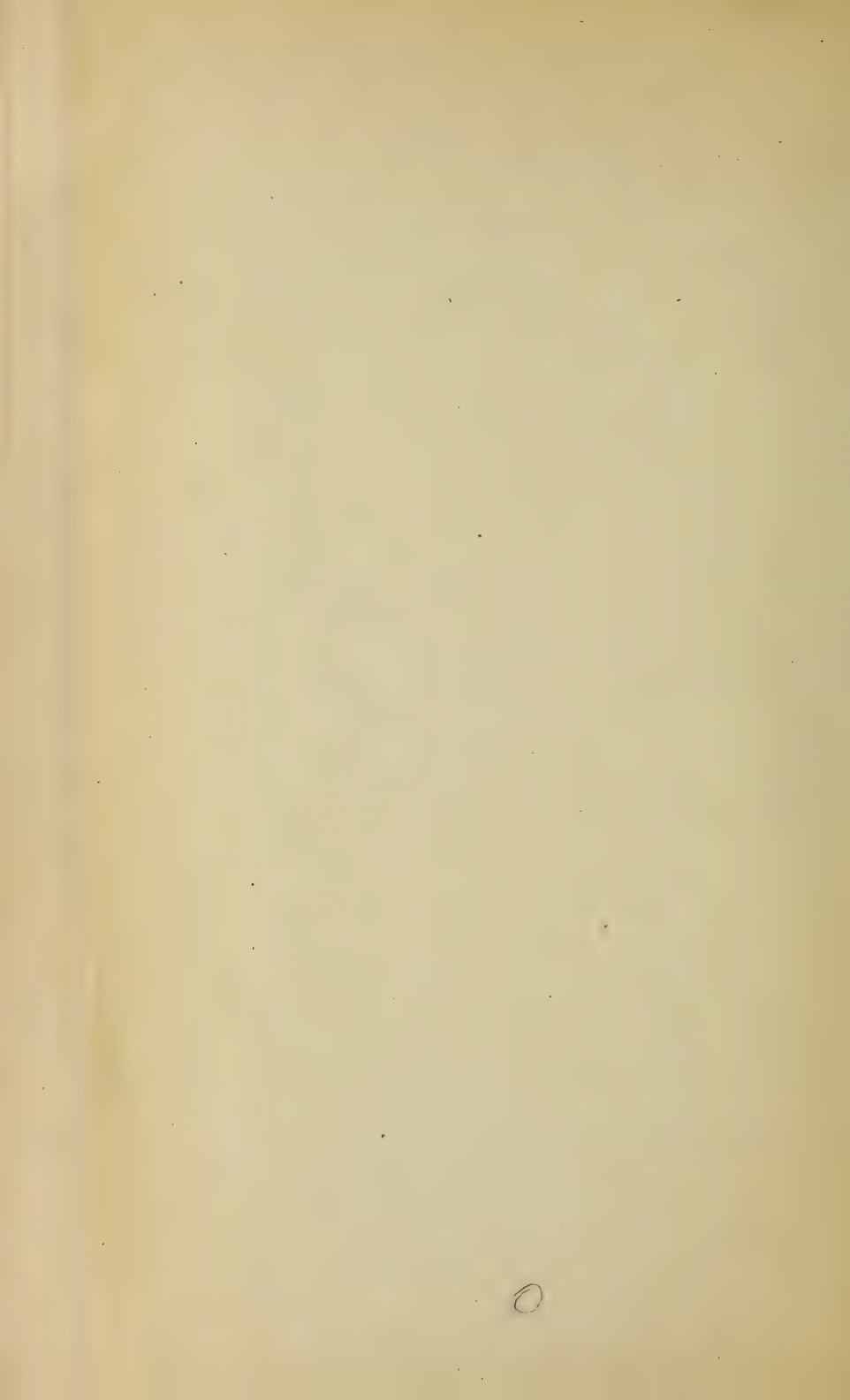
|                                     | PAGE         |                                      | PAGE               |
|-------------------------------------|--------------|--------------------------------------|--------------------|
| Lectures, Special, App. ....        | 36           | Metaphysics. ....                    | 174                |
| Library. ....                       | 40           | Mineralogy. ....                     | 151, 161           |
| LL.B., Degree of. ....              | 218          | Mineralogy and Geology..             | 151, 161           |
| LL.M., Degree of. ....              | 222          | Mineralogy and Geology, La-          |                    |
| Lodging and Board. ....             | 48, 193      | boratory. ....                       | 41                 |
| Logic. ....                         | 107, 172     | Modern Languages. ....               | 116                |
| M.A., Theses, date. ....            | 9            | Museum, Biological. ....             | 43                 |
| Master of Arts, Degree....          | 49, 89       | Museum, Ethnological. ....           | 45                 |
| Mathematics. 96, 100, 105, 143, 158 |              | Mus. Bac., Degree of. ....           | 299                |
| Matriculation, Arts. ....           | 81, 92       | Music, Curriculum. ....              | 299                |
| Matriculation, Junior. ....         | 81, 92       | Music, Examiners. ....               | 26                 |
| Materia Medica. ....                | 238          | Music, Local Examinations..          | 307                |
| Medallists. Medicine. ....          | 273          | Medicine, Regulations. ....          | 263                |
| Medals, Medicine. ....              | 259          | Medicine, Text Books. ....           | 254                |
| Medicine, Faculty of, Meet-         |              | Mental Diseases. ....                | 245                |
| ings. ....                          | 15           | Natural Science. ....                | 145                |
| Medical Jurisprudence. ....         | 259          | Options, Theological, etc....        | 87                 |
| Medicine. ....                      | 239          | Oriental Languages and Lit-          |                    |
| Medicine, Clinical. ....            | 239          | erature. ....                        | 136                |
| Medicine, Courses of Lectures       | 230          | Palaeontology. ....                  | 161                |
| Medicine, Graduates, 1903. ..       | 274          | Pass, Standard for Matricu-          |                    |
| Matriculation, Junior, Curri-       |              | lation. ....                         | 92                 |
| culum. ....                         | 92           | Pathology. ....                      |                    |
| Matriculation, Junior, Exami-       |              | Pedagogy, Curriculum ....            | 345-346            |
| ners. ....                          | 26           | Obstetrics. ....                     | 246                |
| Matriculation, Medicine. ....       | 53           | Ontario Agricultural College .       | 371                |
| Matriculation, Pass Standard.       | 92           | Ontario College of Pharmacy.         | 370                |
| Matriculation, Scholarship at       | 69           | Ophthalmology. ....                  | 247                |
| Matriculation, Senior. ....         | 81           | Otology. ....                        | 247                |
| M.B., Degree of. ....               | 53           | Pedagogy, Examiners. ....            | 26                 |
| M.D., Degree of. ....               | 53           | Petrography. ....                    | 161                |
| M.E., Degree of. ....               | 60, 278, 282 | Pharmacy, Curriculum. ....           | 289                |
| Medals, University. ....            | 75           | Pharmacy, Examiners. ....            | 26                 |
| Medals, University College...       | 196          | Ph.D., Degree of. ....               | 49, 91, 155        |
| Medical Building. ....              | 57           | Ph.D., Theses for Degree App.        | 36                 |
| Medical Council, requirements       | 57           | Philosophy. ....                     | 112, 142, 172, 175 |
| Medicine, Examinations, date.       | 9            | Phm.B., Degree of. ....              | 289                |
| Medicine, Examinations. ....        | 55           | Physics. 96, 101, 105, 109, 153, 159 |                    |
| Medicine, Examiners. ....           | 26           | Physics, Laboratory. ....            | 41                 |
| Medicine, Faculty of. ....          | 22, 24       | Physics and Chemistry. ....          | 147                |
| Medicine, Instructors in. ....      | 22           | Physiology. ....                     | 167                |
| Medicine, List of Students,         |              | Physiology, Laboratory. ....         | 43                 |
| App. ....                           | 12           | Political Science. ....              | 140, 176           |
| Medicine, New Science Course        | 55           |                                      |                    |

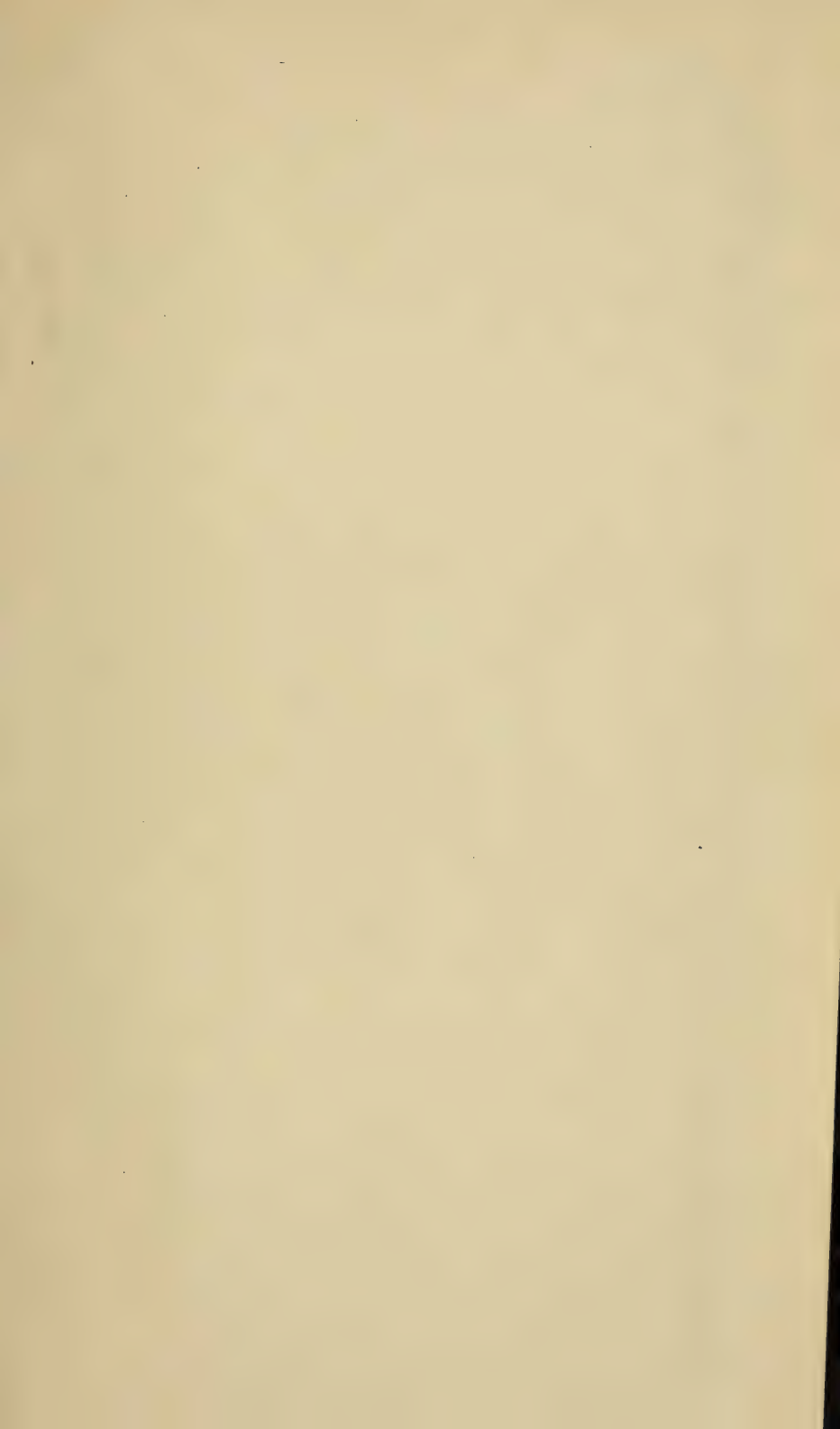
|                                    | PAGE                    |                                   | PAGE    |
|------------------------------------|-------------------------|-----------------------------------|---------|
| Prizes, Law. . . . .               | 223                     | Students, * Applied Science,      |         |
| Prizes, University . . . . .       | 74                      | List of, App. . . . .             | 18      |
| Prizes, University College . . .   | 196                     | Students, General Information     |         |
| Psychology. . . . .                | 107, 173                | for. . . . .                      | 40      |
| Psychology, Laboratory . . . . .   | 41                      | Students, Arts, List of, App. . . | 2       |
| Public Lectures. . . . .           | 46                      | Students; Medicine, List of,      |         |
| Public Lectures, App. . . . .      | 36, 39                  | App. . . . .                      | 12      |
| Publications, University. . . . .  | 45                      | Students, Registration and        |         |
| Registration in Arts and           |                         | Enrolment, date of . . . . .      | 9       |
| Medicine, date of . . . . .        | 9                       | Students, Regulations relating    |         |
| Residence, Extension Fund,         |                         | to. . . . .                       | 84      |
| App. . . . .                       | 47                      | Students, Societies of, 46,       |         |
| Residence Fund, Women's,           |                         | App. . . . .                      | 41, 48  |
| App. . . . .                       | 47                      | Students, Summary of Lists,       |         |
| Rhinology. . . . .                 |                         | App. . . . .                      | 21      |
| Saturday Lectures, App. . . . .    | 39                      | Students' Union, 47, App. . . . . | 41      |
| Scholarships, Matriculation,       |                         | Supplemental Examinations, 83, 85 |         |
| Applications, date. . . . .        | 9, 69                   | Supplemental Examinations,        |         |
| Scholarships, Arts, University     |                         | date. . . . .                     | 9       |
| . . . . .                          | 51, 69-74, 76           | Surgery. . . . .                  | 240     |
| Scholarships, Arts, University     |                         | Surgery, Clinical. . . . .        | 241     |
| College. . . . .                   | 195, 196                | Syriac. . . . .                   | 136     |
| Scholarships, Medals and           |                         | Terms, dates of. . . . .          | 9       |
| Prizes in University College,      |                         | Terms, Regulations relating       |         |
| Winners of. . . . .                | 197                     | to. . . . .                       | 52, 194 |
| School of Practical Science,       |                         | Term-Work. . . . .                | 87      |
| Examinations, date. . . . .        | 9                       | Text-books, Medicine. . . . .     | 254     |
| School of Practical Science, ..    |                         | Therapeutics. . . . .             | 238     |
| Students, List of, App. . . . .    | 18                      | Timetable, Medicine, Lectures     | 260     |
| Royal College of Dental Sur-       |                         | Toronto College of Music. . . . . | 373     |
| geons. . . . .                     | 368                     | Toronto Conservatory of           |         |
| Scholarships, Medicine. . . . .    | 258                     | Music. . . . .                    | 375     |
| School of Practical Science. . . . | 208                     | Toxicology. . . . .               | 244     |
| Senate, Constitution, Func-        |                         | Trinity Medical College . . . . . | 364     |
| tions. . . . .                     | 37                      | Text-books (see Various De-       |         |
| Senate, List of Members. . . . .   | 31                      | partments). . . . .               |         |
| Senate, Meetings, date . . . . .   | 9                       | Time-table, Arts, Lectures . . .  | 10      |
| Senior Matriculation, Arts. . . .  | 81                      | Theology, Options. . . . .        | 87      |
| Societies, App. . . . .            | 41, 48                  | Trustees, Board of . . . . .      | 31      |
| Spanish. . . . .                   | 104, 106, 109, 111, 169 | Trustees, Constitution, Func-     |         |
| St. Michael's College. . . . .     | 359                     | tions. . . . .                    | 36      |
| St. Michael's College, Instruc-    |                         | Undergraduates, Medicine,         |         |
| tion in Modern History and         |                         | Regulations. . . . .              | 263     |
| Philosophy. . . . .                | 50                      |                                   |         |

# INDEX.

v

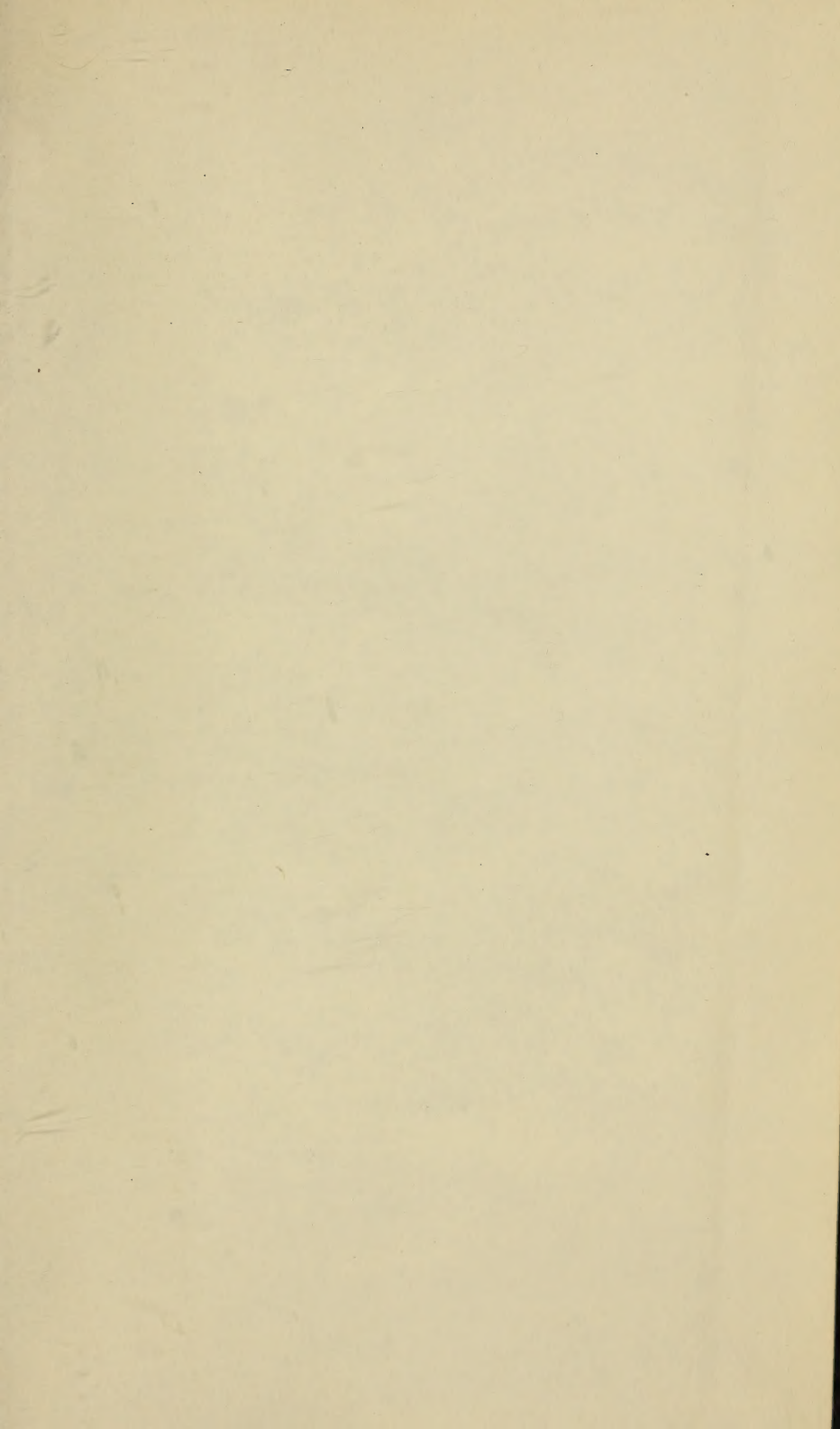
|                                 | PAGE  |                                      | PAGE          |
|---------------------------------|-------|--------------------------------------|---------------|
| Undergraduate Union. . . . .    | 47    | University College, Arts, In-        |               |
| Undergraduates, Arts, Regu-     |       | structors in. . . . .                |               |
| lations. . . . .                | 84    | University College, Arts, In-        |               |
| University, Arts, Instruction   |       | struction in, Subjects of. . . . .   | 192           |
| in Subjects. . . . .            | 50    | University College, Council. . . . . | 192           |
| University, Arts, List of In-   |       | University College, Council,         |               |
| structors in. . . . .           | 18    | Constitution, Functions. . . . .     | 39            |
| University, Commencement,       |       | University College, Council,         |               |
| date. . . . .                   | 9     | Discipline. . . . .                  | 192           |
| University, Council, Constitu-  |       | University College, Council,         |               |
| tion, Functions. . . . .        | 38    | Meetings. . . . .                    | 9             |
| University, Council, Discipline | 40    | University Extension, App. . . . .   | 36, 40        |
| University, Council, List of    |       | University Studies, 45, App. . . . . | 34            |
| Members. . . . .                | 35    |                                      |               |
| University, Council, Meetings.  | 9     | Victoria University, Arts Fac-       |               |
| University Fees. . . . .        | 62-67 | ulty. . . . .                        | 21            |
| University, Historical Sketch,  |       | Victoria University, Theologi-       |               |
| App. . . . .                    | 22    | cal Options, Instruction in. . . . . | 50            |
| University, Medicine, List of   |       | Visitor. . . . .                     | 31            |
| Instructors in. . . . .         | 22    | Veterinary College. . . . .          | 377           |
| University, Constitution and    |       | Victoria University, Arts, In-       |               |
| Administration of . . . . .     | 36    | struction in, Subjects in. . . . .   | 199-216       |
| University and University       |       | Victoria University Theologi-        |               |
| College, Administrative Offi-   |       | cal Faculty. . . . .                 | 363           |
| cers. . . . .                   | 31    |                                      |               |
| University and University       |       | Woman's Medical College . . . . .    | 366           |
| College, Officers of Instruc-   |       | Wycliffe College. . . . .            | 359           |
| tion, List of. . . . .          | 18    | Zoology. . . . .                     | 102, 144, 164 |













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